

	Pages
VIRGINIA	
<u>Shenandoah Nat. Park</u> , Thornton Gap, head of Hazel Hollow, Big Meadows Camp Ground, Big Meadows Bog, David Spring, Big Meadows	23385-23474 ... 52-67
- Spitters Knoll, Crescent Rock, Skyline Drive w. of Pass Mountain, Jeremy's Run Overlook, Upper Overall Run, Bear Wallow	23475-23507 66-73
MARYLAND	
College Park roadside	23508 72-73
VIRGINIA	
<u>Fairfax Co.</u> , Sleepy Hollow, Accotink Creek, bet. Ravensworth Station and Accotink Creek, Elkins, Great Falls of the Potomac, n.w. Hemlock Spring Overlook, Big Meadows Camp Ground	23508a-23577 ... 72-83
<u>Shenandoah Nat. Park</u> , Hemlock Spring Over- look, Big Meadows Camp Ground, saddle s.w. of Hawksbill Mt. n. of Spitters Knoll, Rock Spring Shelter, Appalachian Trail w. slopes Hawksbill Mt., Lewis Spring Shelter, canyon wall below Lewis Spring Shelter, falls of upper Hawksbill Creek, Swift Run Gap, near Crescent Rocks 23578-23695 ... 82-103	
- Headwaters of Thornton River below Thornton Gap, David Spring, Big Meadows, Big Meadows Bog, Big Meadows Camp Ground, Bootens Gap 23696-23740 102-111	
- Skyline Drive at Bush Mt., n. of Lewis Mt. Picnic Ground, Kitee Deadening, Swift Run Gap, n.w. of Simmons Gap, Rocky Mountain Run, n. of Beagle Gap, Scott Mt. (Overlook)	23759a-23775 116-119

Collection and Field Note Book

No. 13

Feb. 20, 1945 - Oct. 21, 1945

(Nos. 23145 - 24224)

ECUADOR

Santiago Zamora, Camillones, Rio San Francisco,
Quebrada Honda, Consuelo w. side of valley
of Rio Zamora 23145-23183
Prov. Loja, ridge bet. Quebrada Jipiru and Rio
Jamora Cordillera Zamora (el Condor), Rio
Paquishapa, e. of Zaraguro 23184-23193
Prov. Azuay, s. of Oña, along Rio Cumbe, slopes
of Volcan Pichincha, Prov. of Pichincha
..... 23194-23240

VIRGINIA

Fairfax Co., Sleepy Hollow 23241-23246
Falls Church, Sleepy Hollow, Fort Buffalo ..
..... 23247-23282
Loudoun Co., Ashburn 23283-23301
Fairfax Co., Sleepy Hollow 23302-23307

CONNECTICUT

Litchfield Co., Hemlock Ridge 23308-23316

VIRGINIA

Fairfax Co., Annandale Road and Holmes Run,
w. of Holmes Run and s. of Lee Boulevard,
Sleepy Hollow 23317-23371

MARYLAND

Prince George Co., Plant Industry Station,
Beltsville 23372-23384

Pages	Pages
	VIRGINIA
	<u>Shenandoah Nat. Park</u> , Thornton Gap, head of Hazel Hollow, Big Meadows Camp Ground, Big Meadows Bog, David Spring, Big Meadows 23385-23474 ... 52-67
	- Spitters Knoll, Crescent Rock, Skyline Drive w. of Pass Mountain, Jeremy's Run Overlook, Upper Overall Run, Bear Wallow 23475-23507 66-73
	MARYLAND
	College Park roadside 23508 72-73
	VIRGINIA
	<u>Fairfax Co.</u> , Sleepy Hollow, Accotink Creek, bet. Ravensworth Station and Accotink Creek, Elkins, Great Falls of the Potomac, n.w. Hemlock Spring Overlook, Big Meadows Camp Ground 23508a-23577 .. 72-83
	<u>Shenandoah Nat. Park</u> , Hemlock Spring Over- look, Big Meadows Camp Ground, saddle s.w. of Hawksbill Mt. n. of Spitter Knoll, Rock Spring Shelter, Appalachian Trail w. slope Hawksbill Mt., Lewis Spring Shelter, canyon wall below Lewis Spring Shelter, falls of upper Hawksbill Creek, Swift Run Gap, near Crescent Rocks 23578-23695 .. 82-103
	- Headwaters of Thornton River below Thornton Gap, David Spring, Big Meadows, Big Meadows Bog, Big Meadows Camp Ground, Bootens Gap 23696-23740 102-111
	- Skyline Drive at Bush Mt., n. of Lewis Mt. Picnic Ground, Kites Deadening, Swift Run Gap, n.e. of Simmons Gap, Rocky Mountain Run, s. of Beagle Gap, Scott Mt. (Overlook) 23759a-23773 116-119

Collection and Field Note Book

2.

No. 13 (Cont'd)

	<u>Pages</u>		<u>Pages</u>
VIRGINIA			
<u>Fairfax Co.</u> , Sleepy Hollow 23774-23789	118-121		
<u>Shenandoah Nat. Park</u> , Thornton Gap, Booten's Gap, Crescent Rocks, Big Meadows, Pine Fields			
Leanto, Skyline Drive n.w. of Pinefield			
Leanto, ridge from main ridge of Blue Ridge to Rocky Mt., slope of Rocky Mount, Ivy Creek below Simmons Gap 23790-23910	122-141		
<u>Culpeper Co.</u> , Culpeper 23911	140-141		
<u>Fairfax Co.</u> , Holmes Run at Lee Blvd., bank of Potomac River below Gravelly Point Airport, Alexandria, Westgrove, Accotink, woods w. of Gunston, Gunston, near Potomac River at Little Hunting Creek, Hunting Creek Estuary 23912-23966	140-153		
- Sleepy Hollow, along Turkeycock Run near Fairland, Potomac River at Little Hunting Creek w. of Mount Vernon, Lee Blvd. s. of Falls Church 23967-24004	154-161		
<u>Shenandoah Nat. Park</u> , Swift Run Gap, below Pinefield Leanto, Brown Mt. Parking Overlook, Brown Mount Overlook, n.e. ridge of Rocky Mt. 24005-24089	160-179		
<u>Rappahannock Co.</u> , just e. of Washington			
Princess Anne Co., near western tip of Seashore State Park, Cape Henry	178-179		
..... 24092-24207	178-197		
<u>Norfolk Co.</u> , Norfolk 24208	196-197		
<u>Fairfax Co.</u> , Sleepy Hollow 24209-24213	198-199		
<u>Arlington</u> , bank of slough across from Washington Island, near end of Memorial Bridge 24214-24218	198-199		
<u>Fairfax Co.</u> , Sleepy Hollow 24219-24230	200-201		
<u>Arlington Co.</u> , Arlington (Lyon Park) 24221 ..	200-201		
MASSACHUSETTS			
n.w. of Woodville 24222	200-201		
s. of Westboro 24223-24224 ...	202		
* * *			

Collection and Field Note Book

No. 13

Feb. 20, 1945 - Oct. 21, 1945

(Nos. 23145 - 24224)

Page

ECUADOR

<u>Santiago Zamora</u> , Camillones, Rio San Francisco, Quebrada Honda, Consuelo w. side of valley of Rio Zamora	23145-23183	2-11
<u>Prov. Loja</u> , ridge bet. Quebrada Jipiru and Rio Zamora Cordillera Zamora (el Condor), Rio Paquishapa, e. of Zaraguro 23184-23193	10-1	
<u>Prov. Azuay</u> , s. of Oña, along Rio Cumbe, slopes of Volcan Pichincha, <u>Prov. of Pichincha</u>		
..... 23194-23240		12-1

VIRGINIA

<u>Fairfax Co.</u> , Sleepy Hollow 23241-23246	20-2	
<u>Falls Church</u> , Sleepy Hollow, Fort Buffalo ..		
..... 23247-23282	22-2	
<u>Loudoun Co.</u> , Ashburn 23283-23301	28-3	
<u>Fairfax Co.</u> , Sleepy Hollow 23302-23307	32-3	

CONNECTICUT

<u>Litchfield Co.</u> , Hemlock Ridge 23308-23316	36-3	
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VIRGINIA

<u>Fairfax Co.</u> , Annandale Road and Holmes Run, w. of Holmes Run and s. of Lee Boulevard, Sleepy Hollow	23317-23371	38-4
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MARYLAND

<u>Prince George Co.</u> , Plant Industry Station, Beltsville	23372-23394	48-5
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Collection and Field Note Book

No. 13

Feb. 20, 1945 - Oct. 21, 1945

(Nos. 23145 - 24224)

Page

ECUADOR

<u>Santiago Zamora</u> , Camillones, Rio San Francisco, Quebrada Honda, Consuelo w. side of valley of Rio Zamora	2-11
<u>Prov. Loja</u> , ridge bet. quebrada Jipiru and Rio Zamora Cordillera Zamora (el Condor), Rio Paquishapa, s. of Zaraguro 23184-23193	10-1
<u>Prov. Azuay</u> , s. of Oña, along Rio Cumbe, slopes of Volcan Pichincha, Prov. of Pichincha	
23194-23240	12-1

VIRGINIA

<u>Fairfax Co.</u> , Sleepy Hollow 23241-23246	20-2
Falls Church, Sleepy Hollow, Fort Buffalo ..	
..... 23247-23282	22-2
<u>Loudoun Co.</u> , Ashburn 23283-23301	28-3
<u>Fairfax Co.</u> , Sleepy Hollow 23302-23307	32-3

CONNECTICUT

<u>Litchfield Co.</u> , Hemlock Ridge 23308-23316	36-3
---	------

VIRGINIA

<u>Fairfax Co.</u> , Annandale Road and Holmes Run, w. of Holmes Run and n. of Lee Boulevard, Sleepy Hollow	38-4
---	------

MARYLAND

<u>Prince George Co.</u> , Plant Industry Station, Beltsville	48-5
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$$38 \overline{) 32.00} \quad 36.4$$

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$$\frac{56}{128}$$

$$\frac{128}{320}$$

$$78 \overline{) 17.00} \quad 21.3$$

$$\frac{156}{144}$$

$$\frac{144}{72}$$

$$\frac{72}{48}$$

$$\frac{48}{24}$$

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Feb. 20 - Canillones, Rio San Francisco, Valley of Rio Zamora, 18 km. e. of Loja, Prov. Santiago Zamora
wet wooded slope

23/45 45 Sarcococca peruviana Busc. edge of brushy ravine in clearing 5500'

46 Cinchona gentle slope 5700'

47

48 Psychotria

49 Lasiacis

Feb. 20 - Quebrada Honda, first affluent of Rio San Francisco on south side above confluence with Rio Zamora, 20 km. e. of Loja, Prov. Santiago Zamora along trail in wet wooded ravine

50 Viola 6000'

51 Nectera granadensis

A type of cinchona called "hoja de lugna" has been harvested here. Judging from the sprouts that are left it was a large leaved form of *C. officinalis*. shrub 2-3 m. tall, fls. white. bare pole 3 m. tall, 8 cm. thick, with one leafy branch at top. "hoja de lugna" (bark sample) shrub, flowers in panicle, pendent, pearl gray, buds release a trickle of water when pressed gently. small tree, flowers yellowish, fruit red. canes 1 cm. thick, hollow, tangled in shrubs and small trees.

erect except at base, fls. pale lavender with purple center. prostrate, mat forming, fruits juicy, translucent red, shiny.

37 Feb. 20 - Consuelo w. side
of valley of Rio Jamor just
below ~~the~~ confluence with
of Rio San Francisco, 22 km.
e. of Loja, Prov. Santiago Jamor
steep wet wooded slope
Cinchona
edge of clearing

22152 6400-6600

1 53 Cinchona
thick woods

2 54 edge of clearing
thick woods

3 55 Cinchona
thick woods

4 56 brush at edge of clearing

5 57 Cinchona
dense forest thick woods

6 58 2000 ft.
thick woods

7 59 Cinchona
brushy clearing

tree 12 m. tall, 20 cm. thick.
leaves thin, dull above,
turning scarlet with age,
buds purple (one almost
open has tube red)
"hoja de capuli" (dark sample)
scudding 1 m. tall, leaves
thin, purplish beneath,
stipules reflexed.
vine climbing in trees,
fruits and fls. each between
2 bracts.
single living branch
on stub 5 m. tall, 2 cm.
thick. "hoja de capuli" (dark sample
from stub). lvs. dull, green.
herb tangled in brush, bracts
and fls. white.
sprout 6 m. tall, 4 cm. thick.
from large dead stump,
old leaves scarlet, dull
above. "hoja de capuli" (dark
sample from sprout).
slender herb, 1 m. tall,
fls. scarlet, corolla enlarged
and gibbous below, with
a small opening.
saplings 1 m. tall, leaves dull above,
thin, scarlet in age, not flat.

Feb. 20 - Rio San Francisco,
bet. bridge at main fork
and Canillones, 15-18 km. E. of
Loja, Prov. Santiago Zamora
bank of rail on wet wooded slope

23/60 *Muhlenbeckia*
61 *Coccocypselum*
62 *Drymaria*
L 63 rare

✓ 64 *Lisium*
abundant

✓ 65 *Fuchsia*
abundant

L 66 ✓
rare, on plant seen
occasional

L 67 ✓
occasional

✓ 68 *Phovea*
occasional

✓ 69 ✓
70 *Mertensia gracilis*

2304-5700

(collected from horseback)

✓ vine, fls. greenish, fruit white.

✓ prostrate, flowers purple, fruit blue.

✓ stems ascending, fls. white
elongate scrambling
stems, some bare except
for flower clusters, corolla
and staminal column
bright yellow, anthers
grayish. ~~✓~~

✓ herb, occurring in large
tangles, sap milky but
not abundant, leaves
nigrose above, fl. yellow.

✓ suffrutescent herb 1-2
m. tall, tangled in bushes,
flowers vermillion, pendent,
fruits red when unripe,
black when ripe, shiny.

✓ herb, flowers bright pink.

✓ herb, corolla scarlet - red,
lobes paler, staminal

✓ column white, anthers blue-gray,
rounded, mound like

✓ bush 1 m. tall.

✓ prostrate, aromatic, fls. lavender.

✓ prostrate, mat-forming,
fls. greenish, fruits juicy,
bright red, glossy, translucent.

Feb. 20 - Ridge between the two main forks of Rio San Francisco above bridge, Cordillera de Janaro, 12-15 km. E. of Loja, Prov. Santiago Janaro wet wooded ridge

23171 occasional

72 *Lychnolaanthus*
occasional in bushy places

73 *Drymocarpia*
common in trail

74 *Hedyotis*
broad sterile at a wet low alt., common up to summit of hill

75 *Palicourea*

76 *Cinchona pubescens*
along trail

77 *Adonis*

Feb. 20 - around headwaters of Rio San Francisco, Cordillera Janaro (el Condor), 11 km. E. of Loja, Prov. Santiago Janaro low wet bushy forest on steep slope

77 *Utricularia*
vertical bank above trail

7000' elongate shrub. leaves gray above, corolla deep chrome yellow, almost orange, staminal column yellow, anthers bright red-purple

6500' shrub 2 m. tall, flowers orange with lighter and darker stripes in the throat fl. white

7000' mat forming, granular, wet, leaves 4-ribbed, flowers pale purple or purplish white.

7200' shrub 2 m. tall, flowers yellow, just past flowering 7500' m. tall, granular, leaves dull above (paled tree much larger seen nearby).

8000' (as in 7200')

7000'

bulb like a liquid egg, but pale translucent green, calyx brownish purple, banner purple, but white.

10

1945 - Ecuador

23/79

Islandra

earth bank

1-7 80

Cinchona micropylla
bushy crest

2 81

Podocarpus
occasional

2 82

Chusquea
common

1 83

Podocarpus
rareFeb. 20 - Ridge between
head of Quebrada Jipuna and
headwaters of Rio Jamora,
Cordillera Jamora (el Condor),
10 km. e. of Loja, Prov. Loja
windswept crest 9000'84 *Hedysotis*85 *Hedysotis*Feb. 21 - Rio ~~Patagon~~ *Patagon*, justbelow Zaraguis, Prov. Loja
bar, badly eroded slopes

7900'

86 *Dodonaea viscosa* L.87 *Drymocarpia*88, 89, 90 *Hedysotis*

71, 72, 73

Santiago Janura - Loja 11

prostrate vine-like shrub,
fls. purplish bronze.
tree 4 m. tall, erect, leaves
glossy, venose beneath,
veins impressed above,
petioles and veins red, old
leaves reddish.sterile bushes 3 m. tall.
leaves not distichous.tangled mass to 3 m. deep.
the only clump seen in
fruit in the region.tree 10 m. tall, leaves
distichous, sterile
but bearing ~~or~~ one-like
galls.flowers white, long style.
flowers white, brev style.
anthers purple.

shrub, m. tall.

fls. white.

fls. white

(series to show variation)

(not differences in leaf size
or shape of fl.)

12

1945 - Ecuador

1945-02-21 Feb. 21 - south of Oña, slope
of above Tablón de Oña, Dist. Agua
dry brushy, overgrazed slope 2700

23174 " Croton
common

" 95 Dodonea viscosa
common

1 90 Cardinaria ramosissima

1 97 Poa

2 98 Pellaea ternifolia

1 99 " "

23,200 Sagina

2 01 Hypericum

2 02 Evolvulus

1 03 Drymaria

3 04 " common

2 05 Salvia

2 06 Salvia
common

1 07 Hedyotis
very abundant, apparently
not eaten by cattle

1 08 Hedyotis
(same)

P.M.

Soyag Laja

13

low depressed bush,
shrub

prostrate
tufts, infl. purple

fls. purplish white with
deep purple calyx

fls. white, petal bipart.
fl yellow

prostrate, fls. bright blue.
deep tap root, fls. white

fls. purple, base yellow usually

fls. blue

erect clumps, fls. even
yellow.

mass collection & even
proportion of longistylous
and brevistylous ~~plants~~
plants, each tuft representing
a clump. - 52 brevistylous -
cf. #23202. & proportions
varied from one place to
another in colony. Buds
varied from pale pink to red.
sens. cf. #23207. - 51 longistylous.

Feb. 21 - Tablon de Osa, s. of
Osa, Prov. Azuay
dry overgrazed gentle slope
foot of hill. 7750'

23209 *Calliandra*

10 *Fantana*

11 *Verbena*

12

13 *Hedysotis*
abundant, apparently not
eaten by cattle

14 *Hedysotis*

same

15

Feb. 21 - Tablon de Osa, s. of
Osa, Prov. Azuay 7750'
open field, gentle slope,
extremely overgrazed

15 *Mimosa*

16 *Hedysotis*
abundant

17 *Hedysotis*
abundant

fls. bright red.

prostrate, fls. golden yellow.

prostrate, fls. rose-pink.

fls. rose-pink

mass collection, each twig
from different clump, to show
proportion of longistylous
and brevistylous plants.
20 brevistylous - fl. white.
#6. #33214.

same as #3313 - 53 longistylous

flowers pink.

mass collection to compare -

proportion of longistylous
and brevistylous ~~fls.~~
plants, each twig from a
different clump, taken at
random - plants prostrate.
buds pink, fls. white.

63 brevistylous - cf. #33217
same as #33214 - 48 longistylous

17 Feb. 21 - Grade above Cumbre, 1000', along Rio Cumbre, lat. 3° 8' S., s. of Cuenca, Prov. Azuay, Ecuador
steeply sloped 1000'

23-24 Valeriana
dominant in brush

17 Asplenium
20 Polypodium
21 Galium hypoleucum
22 Galium
23
24 Eupatorium
25 Drymaria
rare in turf

Feb. 25 - slopes of Volcan Pichincha above Quito, Prov. Pichincha 1000' - 11700'

26 *Geoph.*
in trail on black earth 11500'

27 *Coronula pilosa*
in a small opening in tall brush, moist soil, abundant locally. 11700'

28 *Galium*
in moist brush, small opening 11700'

29 *Coronula pilosa*
in shade ~~on~~ on ground in moist tall brush, abundant locally. 11700'

shrub 4 m. tall, much, many straight erect branches with numerous leafy branchlets, fls. whitish, clusters with a strong pungent cast, odor of plant unpleasant, erect

prostrate, fruit red, fleshy
prostrate, fruit green.
prostrate
prostrate, fls. white.
fls. white.

prostrate
extensively creeping,
prostrate, with tips of branches turned up.
fls. greenish, monocious,
fruit greenish.
tangled in brush, flowers reddish.
extensively creeping,
ends of branches turned up.
fls. greenish, monocious

18

1945 - Ecuador

23230 *Manettia*
moist brush 11700'

31 *Galium*
earth bank above trail 11600'

32 *Nertera granadensis*?
earth bank above trail 11600'

33 *Eryngium humile*
open grassy hilltop 11700'

34 *Un.*
open grassy hilltop 11700'

35 *Un.*
vertical earth bank 10000'

X *Hedysarum*
very abundant on grassy slope 10300'

37 brush along trail-side 11000'

38 *Hedysarum*
trail side on grassy slope 11500'

39 *Drymonia* - als.
vertical bank above trail 10100'

March 1 - Malecon Park,
Guayaquil, Guayas

0 m.

40 cultivated in park

Pichincha

19

vine climbing through
brushes, fls. white.
fruits pale green.

prostrate, leaves thick,
crisped, flowers greenish,
fruit dark red, juicy.
bracts greenish-white
above, fls. dull bluish.
fruits turning purplish,
brown.

corolla white, calyx deep
purple.

dwarf shrub, fls. white
"suerte", 3-lobed and 5-lobed
fls. considered good luck.
herbaceous vine climbing
in brush, much-branched,
fls. green, lobes reflexed.
fruit green, fleshy.
bearing an cushion, fls.
greenish, fruit green.
diffuse, pubescence
whitish.

small tree 5 m. tall, 10 cm.
thick, leaves all pointing
downwards, back to back,
pale beneath, petals white,
slightly crisped, anthers
yellow, fruit immature.
(stamens separate)

March 18 - Sleepy Hollow
Road where it crosses
Tripp's Run, 1 1/2 mi. s.
of Falls Church, Fairfax Co.

23241 *Ulmus americana*
wooded bottom land
along stream.

March 19 - north side of
Tripp's Run, 1 mi. s. of Falls
Church, Fairfax Co.

42 *Populus*
open woods above the
level of bottom lands, gentle slope

March 20 - Sleepy Hollow Road
south of Tripp's Run, 1 1/4 mi.
s. s. of Falls Church, Fairfax Co.

43 *Salix humilis* Marsh.
small colony at edge of wood.

44 *Salix humilis* Marsh.
small colony at edge of wood

March 24 - Sleepy Hollow, along
Tripp's Run, 1 mi. s. of Falls Church,
Fairfax Co.

45 *Lindera benzoin*
swampy woods
same 1 1/2 mi. s. of Falls Church

46 *Ulmus americana* L.
wooded bottom land along stream

tree 30 cm. thick, 7 m. tall,
flat topped with drooping
branches.

small colony of large
trees 50 cm. thick, 20 dm. tall,
(could not be climbed so
leaves and catkins were
picked up).

bushes 1 m. tall, ♂

bushes 1.5 m. tall, ♀

bush 2 m. tall, fls. lemon
yellow, stems aromatic when broken.

Tree 30 cm. thick, 7 m. tall
(same tree as #23241) fruit green.

March 29 - Falls Church,
Fairfax Co.

23247 *Spiraea thunbergii* Liebm.?
cultivated

March 30 - Sleepy Hollow, along
Tripper's Run, 1.5 mi. s. of Falls
Church, Fairfax Co.

48 *Stellaria pubera*
sterile pebbly bank, edge
of woods

49 *Prunus americana*
overlope just above stream

April 1 - same loc. 1-1.5 mi. s.

50 *Vaccinium atrococcum* Heller
swampy woods, occasional

51 *Lymplocaespus foetidus*
abundant, swampy woods

52 *Vaccinium atrococcum* Heller
swampy woods, occasional

53 *Vaccinium atrococcum* Heller
swampy woods, occasional

54 *Dentaria*
wooded bottom-land
near stream

55 *Draba (Erophila) verna*
moist pasture

56 *Populus*
rocky slope in pasture

57 *Salix*
marsh with shrubs

shrub with long
wand-like branches,
petals white.

fls. white

shrub 4 m. tall,
fls. white.

1 m. tall, fls. greenish-pinkish-white

1.5 m. tall, fls. pinkish-white
spathe mottled bronze, plant
with foul odor when broken,
bush 1.5 m. tall, fls.
pinkish white.

bush 2 m. tall, fls. greenish
white, slight tinge of pink.
fls. pinkish white,
~~rhizome~~ ~~rhizome~~ moniliform
disarticulating
fls. white

tree 8 m. tall

bush 2 m. tall

April 8 - same loc.

23258 *Hedysotis caerulea* (L.) Hook.
open weedy acid slope

59 *Cleomehans*
low wet place in pasture

60 *Pinus pungens* Lamb.
open old field with
scattered young pines
and a few deciduous trees

61 *Pinus virginiana* Mill.
same

62 *Pinus echinata* Mill.
same

63 *Ranunculus*
low wooded bottom-land

64 *Luzula campestris* var. *bulbosa*
Cut-over slope, scattered trees

65 *Viola* spp.
common under trees in
abandoned orchard

66 *Antennaria plantaginifolia*
earth bank along road
through woods.

67 *Ulmus americana* L.
wooded bottom-land along
stream

flowers lavender with
yellow throat
mass coll. to illustrate
ratio of brevistyloous to
longistyloous flowers.
dense carpet

tree 6 m. tall. (=Ewan 17118)

Tree 5 m. tall. (=Ewan 17119)

tree 8 m. tall, twigs with
tufted appearance (=Ewan 17120)
stems succulent, erect,
petals yellow. (=Ewan 17126)
caespitose

caespitose, rhizomes thick,
fleshy, flowers deep
violet, center white,
lower petal ~~stems~~ with
white part with
dark violet reticulation.
[=Ewan 17127]

tree 30 cm. thick, 3 m. tall,
flat topped - fruit mature
(same tree as 23241, 23246)

April 15 - same loc.
second-growth wooded slope,
mixed woods, rather open,
undergrowth sparse because
of former fires.

23268 *Vaccinium vacillans* Torrey
(contaminated with *V. atrocoeruleum*)

69 *Gaultheria procumbens*
abundant

70 *Rhododendron nudiflorum*
common

71 *Vaccinium vacillans* Torrey
(contaminated with *V. atrocoeruleum*)

72 ~~*Rhododendron nudiflorum*~~

72 *Rhododendron nudiflorum*
common

73 *Vaccinium vacillans* Torrey
(perhaps slightly contaminated
with *V. atrocoeruleum*, slight pubescence
on petioles)

74 *Rhododendron nudiflorum*
common

75 *Vaccinium stamineum*
rare, one plant seen

76 *Vaccinium vacillans* x *atrocoeruleum*
dense woods of *Pinus virginiana*,
not burned over.

Vaccinium atrocoeruleum found in
bottom-land several hundred feet
away. Differences in *Rhododendron*
colors evident even in bud.

plants 1-2 dm. tall, leaves
green, flowers greenish-white
tinged with pink.

plants 3-5 dm. tall, or
more, fls. orange red,
greenish tinged.

~~so, present this plant with~~
almost white
flowers, pinkish stamens, rose style.

plants 2-3 dm tall, leaves
reddish green, flowers
greenish pink.

corolla tube pink, lobes
very pale, stamens pink,
style rose. odor unpleasant.

plant 3 dm. tall, leaves
green, flowers greenish
white, turning reddish
with age.

corolla tube deep rose,
lobes pink, stamens and
style rose, odor unpleasant.
(thin & color most common)
flowers white.

bush 6 dm. tall, flowers
greenish-white, tinged
with pink

28

1945 Virginia

April 16, Fort Buffalo, 1 mi.

s.e. of Falls Church, Fairfax Co.
edge of woods along road

23277

Pyrus arbutifolia

178

Lonicera glauca

79

Robinia pseudoacacia

80

Paulownia tomentosa (Thunb.) Baill.April 16 - Sleepy Hollow,
1 mi. s. of Falls Church, Fairfax Co.
old field with scattered
young pines and a few
young deciduous trees.

81

Hedysotis caerulea (L.) ~~Hork.~~
common82 *Fragaria ananassa* var. ~~bulbosa~~ ^{fl. w.} Wall.
colony under pinesApril 19 - Ashburn, 6 mi. s.e. of
Leesburg, Loudoun Co.
abandoned clearing in pine
woods on red sterile soil
formed from weathered red
Triassic shale.83 *Cardamine arabica*84 *Carya*

Fairfax Co. - Loudoun Co. 29

shrub 2 m. tall, fruit immature
vine climbing in bushes,
leaves glaucous beneath,
tree 5 m. tall, flowers
fragrant, petals white,
calyx reddish.
tree 6 m. tall, panicles
erect, flowers & lavender,
paler within, petals yellowish

mass coll. from which
description of fresh material
was written.

tufts, rhizomes bearing
white tubers.

glaucous, flowers white,
tree 3 m. tall, 10 cm. thick, bark
not especially rough.

27285 *Dasiphraga*
86 *Ranunculus*
87 *Ranunculus*
88 *Arabis*
89 *Veronica*
locally abundant
90 *Viola*
rare
91 *Viola blattacea*
locally abundant
92 *Krigia virginica*
locally abundant
93 *Vaccinium stamineum*
common
94 *Antennaria plantaginifolia*
common
95 *Potentilla simplex*
common
96 *Hedysarum caerulea* (L.) ~~Eng.~~ Hook.
common
some pine woods with little undergrowth, on soil derived from red trassic shale

97 *Vaccinium*
common

flowers white
fls. yellow, leaves dull
(growing with #27287)
fls yellow, leaves glossy
(growing with #27286)
flowers white
and, ~~creoles~~ blue-violet,
falling very readily.
flowers violet
flowers lavender, paler
toward center, and with yellow
eye, lower 2 petals with
dark purple lines.
flowers orange, closed
at 4:00 p.m.
bushes from 3 to 10 dm. tall,
this one about 8 dm., flowers
white)
stems decumbent, scape and
flowers bright yellow,
petals varying from
emarginate to round at
apex. This is not a good
distinguishing character.
small tufts and solitary
plants, flowers lavender
with yellow eye.
3-5 dm. tall, fls. pale green to
reddish, clones appear quite
uniform except that some
apparently similar but
sterile are almost glabrous

32

1945 - Virginia

23298 *Vaccinium*
several clones seen99 *Vaccinium*
several clones seen23300 same loc. ^{weedy} roadside
Acer negundo
seedlings common
01
occasional in tall grass
and weeds.Apr. 20 - Sleepy Hollow
old fieldX 02 *Lonicera bella* Zabel. f. *candida* Zell
old field with scattered brush
and small trees; several
plants of varying ages
seen in vicinity.Apr. 21 same
old field with scattered
pine,
03 *Pinus echinata*

Loudoun Co. - Fairfax Co. 33

brush 5-6 dm. tall, flowers
~~pink~~ greenish, white,
slightly pinkish
(with #23297 but less
common; leaves slightly
thicker, plant coarser)
brush 5 dm. tall, flowers
greenish-white, slightly
pinkish. (like 23298
but from a different
clump).tree 6 m. tall fruit
clusters pendent.
flowers white*Hedera* ^{maroccana}
shrub 1 m. tall, flowers
white, turning yellowish
with age, only faintly
fragrant, corolla lobes
somewhat revolute,
four of them directed
above the horizontal, one
downwardtree 8 m. tall (same
tree as #23262)

Alt. 71 same loc.
wooded bottom land

23304 *Arisaema*

(Preliminary observation
on this mass coll. show
that ♀ and ♀³ plants are much
less numerous than ♂; that
many factors assorted at
random are responsible
for color pattern, that
glaucous, dull, and clear
green under side of blade
is not correlated with
anything else. No conclusion
were reached as to correlation
of width of leaflet base,
width of flange and
shape of flaff.

April 25 same loc.

05 *Lonicera bella* f. *candida* Zabel. (tatarica x monroei)
roadside

06 *Veronica*

weed in lawn

07 *Prunus serotina*

~~stpp~~ common in
second-growth woods

mass collection of
1 infl. and 1 leaf from 103
many plants. These
examined fresh and note
made for each on
color of peduncle, color pattern
of spathe inside and out,
color pattern of spadix
appendage, color of
rhachis of spadix, sex
of plant, color of anthers
and stigmas, color
of petiole and main
veins of leaves, and
whether or not leaf-blade
are glaucous beneath.
(not on some plants is, acc.
stevenson, *Uromyces caladii*)

bush 2 m. tall, flowers
cream white, turning
yellow with age.
corolla fls white, falling easily
small tree 5 m. tall,
petals white, concave.
(much larger trees in vicinity).

Apr. 30 - Hemlock Ridge, 4 mi.
w. of New Milford, 9 mi.
n. of Danbury, on
Candlewood Lake, Litchfield Co., Conn.
wooded slope and open meadow 100 m.

23308 *Anemone quinquefolia*
moss cushion in low
brush in meadow, with ^{#23309}

09 *Anemone quinquefolia*
common in low brush
in meadow

{10 *Hedysotis caerulea* (L.) ^{Hook.} ~~Forst.~~ ♂

{11 *Hedysotis caerulea* (L.) ^{Forst.} ~~Hook.~~ ♀
common in meadow,
forming conspicuous patches

12 *Hedysotis caerulea* (L.) ^{Forst.} ~~Hook.~~
wet opening on thinly
wooded slope, scarce

13 *Ranunculus abortivus*
opening on thinly wooded slope

14 *Trillium*
opening on thinly wooded
slope, common (with ^{#23315})

15 *Trillium*
(with ^{#23314})

16 *Arisaema*
common on thinly wooded slope
and stigmas set of flowers,
color of petiole and main
veins of leaf good whether
leaf-blade is green, dull
or glaucous beneath.

flowers white, leaves
purplish. rhizomes
white, growing tip breaking off easily.
flowers white, leaves
green, rhizomes white,
growing tip breaking off
easily.

color of corolla limb
varying from bright
lavender to almost white.
with lobed yellow eye.

fls. lavender with
yellow eye

petals yellow, small
petals wine-purple.

petals wine-purple
mass collection to show
variation, 1 leaf and 1 infl.
from 50 individuals. these
examined fresh and notes
made on color of peduncle,
color pattern of spathe inside
and out, color pattern of
sterile appendage of spathe -
shack, color of anthers

May 5 - Where Annandale Road crosses Holmes Run, 2 1/2 mi.
s. of Falls Church, Fairfax Co.
old clearing near stream

23317 *Ranunculus*
small colony

18 *Carex*
common in sparse grass
19 *Arisaema*
very common, but only two
plants seen which had
not been frostbitten

May 6 - west of Holmes Run
on small tributary just
south of Lee Bouldard, 2 7/8
mi. s. of west of Falls
Church, Fairfax Co.

sparsely wooded bottom
land and open pine woods.

20 *Cypripedium acaule* Ait.
common under pines

21 *Vaccinium stamineum* L.
occasional under pines
22 *Mitchella repens* L.
common under pines

base of plant not enlarged,
flowers bright yellow,
petals glossy above
roots slender
tufts, culms spreading
larger plant with stems,
petioles, spathe and
spadix entirely green,
flowers ♀, stigmas white;
smaller also green except
inside of flap of spathe
slightly bronzed ~~and~~
flowers ♂, anthers deep
purple. leaves of both
green beneath, larger
one glossy.

leaves light green, petals
and sepals deep bronze,
lip variegated magenta-pink.
bush 7 dm tall, flowers
white.
prostrate, berries scarlet.

40

1945 - Virginia

23323 *Ranunculus abortivus* L.
common in bottom land.

24 *Krigia virginica*
rare in openings in bottom land

25 *Ranunculus*
common in wet bottomland
and in water

26 *Hedysotis caerulea* (L.) Hook.
common in openings

**

May 7, 1945 - Sleepy Hollow,
1 mi. S. of Falls Church

27 *Luzula campestris* var. *bulbosus* Vahl
under pines in old field
(same colony as # 23282)

28 *Hedysotis caerulea* (L.) ~~Ep~~ Hook.
under pines in old field
(same colony as # 23281)

29 *Vicia*
dense colonies along roadside

Same May 24

30 *Lonicera bella* Zabel f. *candida* Zabel
** weedy old field with
scattered young trees.

Same May 31

31 *Gratiola*
on subsoil fill where sewer
has been laid through
wooded bottom land.

Fairfax Co.

41

petals yellow, short.

flowers orange

petals yellow, short.

corolla lobes lavender
above, with yellow 9-lobed
eye; each lobe bi-lobed.

rhizomes bearing small
white tubers.fls. lavender with
yellow eye.weakly erect, flowers
magenta.bush 1 m. tall, fruits
scarlet, translucent.
(same bush as # 23302)plant succulent,
fragrant, corolla tube
curved, prismatic, greenish
yellow, limb white.

June 4, Sleepy Hollow, 1 mi.
s. of Falls Church.

23332 *Allium vineale*
common in disturbed ground
in wet wooded bottom-land.

33 *Ligustrum*
single plant in wet
wooded bottom land

34 *Carex*
slope in pasture

35 *Veronica*
common on slope in pasture

36 *Hedysarum occidentale*
occasional in pasture,
smaller plants in rocky
place.

37 *Morus*
on tree on slope in pasture

38 *Asplenium*
rocky place in pasture

39 common on slope in pasture

40 *Malva*
common in trampled
place in pasture

41 *Lisymbrium*
common in trampled
place in pasture

42 *Panicum*
old field, somewhat brushy

43 *Dianthria spicata*
old field, abundant

44 *Ulmus americana*
bottom land and second-growth
thickets, occasional

flowers clear lavender.

shrub, m. tall,
flowers white, somewhat
unpleasantly fragrant.
spreading tufts

fls. bluish, ephemeral
flowers deep purple.

tree 8 m. tall (same tree
as #23331)
fertile fronds erect.
flowers white, very
a few across.
flowers lavender,
glabrous within.
flowers yellow.

tufts

Mass collection to show
variation in pubescence & leaf
outline. largest leaf of distal
5 selected from twig on lower branch.

44 1945 - Virginia
23348 same loc. June 4
Ulmus
old field growing up to
young trees and brush
June 6 Sleepy hollow, 1 1/2 mi.
s. of Falls Church, Fairfax Co.
46 Hedyotis purpurea (L.) T. & G.
along road in second-growth
woods.

47 Ceanothus
along road in second-growth
woods.

48 Ulmus americana
wooded bottom land along
stream

June 10 - same loc. 1 mi. s. Falls Church
49 Penstemon
old field, rather wet,
burned several years
ago - large colony.

June 12 - same loc.
50 edges of thickets in old
field, top of low ~~bank~~ rise.

51 Trifolium
abundant
52 Trifolium
common

45 Fairfax Co.
mass coll. of largest
leaf of terminal on twigs
from about 1-6 m. tall
saplings.

mass collecting, one shoot
from each clump in
an area of 1/4 acre.
flowers purplish pink,
plants caespitose
clumps up to 0.8 m. tall,
flowers white.

tree 8 m. tall (same
tree as #23241, 23246, 23267)

erect, flowers dull
purplish on upper
side of horizontal corolla,
pale, glossy and
sulcate beneath.

flowers lemon yellow
flower chamois yellow.

46 1945 - Virginia - Maryland

23352 *Hedysotis purpurea* (L.) T. & G.
occasional

23353 *Hedysotis purpurea* (L.) T. & G.
occasional

June 15 - Plant Industry
Station, Beltsville, Md.

weedy orchard and roadside

54 *Potentilla recta*
roadside, scattered

55 *Oxalis*
orchard

56 *Lilium candidum*
orchard, small colony

57 *Lepidium*
orchard

58 *Lilium*
orchard, rare

59 *Rumex*
orchard

60 *Juncus*
abundant in orchard

61 *Polygonum*
orchard

June 17 - Sleepy Hollow, 1 mi.
s. of Falls Church, Fairfax Co. Va.

62 *Asclepias*
one plant seen on wooded knoll
at edge of woods

63 *Lysimachia*
disturbed ground, opening
in woods

July
2000
basis of
description
T. & G.

Fairfax Co. - Piney George 47

brevistylous, flowers
lavender.

longistylous, flowers lavender.

several erect stems
from root crown.

erect from decumbent
base, flowers yellow.
decumbent to ascending,
flowers white.

erect, mostly leafless.

calyx with deep red
veins.

flowers yellow.
plants spreading by
rhizomes
dense tufts.

flowers pinkish

~~corolla~~ bronze without,
green within, hood & base
bronze-purple, lip milky-
red, corolla bright
yellow, red at base in center

48 1945 - Virginia - Maryland

73364 *Penstemon*

rare in low pasture

65 *Rhus*

low swampy woods

66 *Geum*

low swampy woods

67 *Lysimachia*

low swampy woods

68 *Carya*

pasture

69 *Matricaria*

common in pasture, not
much eaten by cattle.

June 20 same loc.

70 *Penstemon*

old field, rather wet, burned
several years ago

71 *Oxydendrum arboreum*

old nursery site,
obviously persisting
from nursery stock

June 22 - Plant Industry Station,
Beltsville, Md.

weedy banks along road

72 *Medicago lupulina*

73 *Achillea millefolium*
wet ground

74 *Aporogynum cannabinum*

small colony

75 *Verbascum*
one seen

Fairfax Co. Prince George's 49

corolla white

large shrub, 3 m.
tall, fls. yellow-green

erect, flowers yellow,
reddish in center.

tree 12 m. tall, 2-3 cm
thick, ~~smooth~~ ^{smooth} bark

slightly scaly.
rays white, disk yellow.

erect, fls. very pale lavender

small tree 7.5 m. tall

— prostrate, tips ascending,
flowers yellow
heads white

leaves ascending,
— flowers whitish.
flowers yellow

50 ~~Other~~ 1945 Maryland

23376 *Trifolium*
common

77 *Achillea millefolium*
dry ground

same weedy orchard

78 *Barbarea verna*

79 *Poa compressa*
abundant

80 *Melilotus*

81

abundant

82 *Phytolacca americana*

83 *Trifolium hybridum*

84 *Convolvulus*

Prince Georges Co.

51

plumose awns purpled,
heads white

~~spikes~~ caespitose,
leaves erect,
not tufted

head 1.5 in. tall,
flowers yellow,
densely caespitose

~~spikes~~ head 1.5 in. tall,
fls. whitish,
flowers pink
vine prostrate on ground
and twining on ~~to~~ weeds,
flower white, stigma
of 3 enlarged, pointed
lobes.

June 23 - Thornton Gap,
headwaters of Thornton River.

edge of cleared roadside,
73385. *Coronis alternifolia* ^{690 m.}

86. *Populus deltoides* Marsh.

87. *Philadelphus*
persisting from old habitation?

88. *Hedysotis*
grassy roadside ditch

June 23 - head of Hazel
Hollow, east slope of
the Pinnacle

980 m

road cut
89. *Potentilla recta*

90. *Hedysotis*
common

91. *Hedysotis*

one tuft seen

92. *Hedysotis*
one tuft seen

Big Meadows Camp Ground,

grassy open woods ^{1100 m.}
93. *Lisyrinchium*
grassy open woods

small tree 4 m. tall, leaves
glaucous beneath,
cymes fleshy, reddish-gray
fruits green.

small tree 5 m. tall
~~pedicel~~ petioles vertically
somewhat flattened.
bush 3 m. tall, petals
white, almost all shed.
small tufts, flowers
violet

flowers sulfur-yellow
caespitose, flowers
violet
caespitose, flowers
white
caespitose, flowers
lavender

fls. pale blue without,
blue-violet within,
roots yellow.

23394 *Anemone*
195 *Hedystis*

96 *Geranium*

June 27 - Big Meadow Bog

open bog surrounded by low dense woods of *Betula populifolia* and *Crataegus*, ^{surrounded} by open meadow

97 *Vicia*

open meadow

98. *Ranunculus abortivus*

open meadow

99. *Corylus americana*

abundant around edges of woods.

23400. *Polygonum*

in open part of ~~the~~ bog

01. *Spiraea*

abundant in open part of bog

02. *Holcus lanatus*

occasional in grassy edge of bog

03

in muddy open part of bog

04. *Galium*

in muddy open part of bog

05. *Carex*

in muddy open part of bog

— sepal greenish-white
— small tufts, flowers
varying on different
plants from white
to pale violet.
flowers purplish

of weak stemmed
flowers violet.
erect, past flowering.

brushes 1-1.5 m. tall

shrub 1 dm. tall,
— petals white, fruit green.
shrub, m. tall,
flowers white.

dense tuft

erect, flowers white
spreading tuft

✓ 23406 *Carex*
muddy open part of bog

✓ 07 *Panicum*
muddy open part of bog

✓ 08 *Salix*
open part of ~~so~~ bog

✓ 09. *Iris versicolor* L.
abundant in open part of bog

10. *Callitrichis heterophylla*
in small pool

11. *Isoetes*
in small pools

12. *Oenothera fruticosa* L.
common in open muddy part
of bog

13. *Iris versicolor* L.
abundant in open part of bog

14. *Danthonia spicata*
in openings in birch woods

15. *Pinus virginiana* Mill.
rare in birch woods

16. *Panicum*
common in birch woods

17. *Pyrus coronaria*
occasional in birch woods.

18. *Pyrola*
common in birch woods

dense tussock

scattered solitary culms
and very small tufts.
small tree 4 m. tall

forming beds, larger
perianth segments
pale blue-violet with
yellow claw, smaller
without the yellow.

submerged portions
with linear leaves,
emerged tips with
broader leaves
grills terete, flat on
ventral side.
clumps, flowers
bright yellow.

perianth segments
blue-violet, with
larger ones with ~~yellow~~
yellow claw

tree 5 m. tall

small exceedingly
thorny tree 3 m. tall,
sterile
forming colonies under trees

23419. *Convolvulus spithameus*
near birch woods and around
outskirts

20 *Salix*
outskirts of birch-wood,
June 24 - David Spring, Big
Meadows,

21 mud below spring
Veronica anagallis-aquatica

22 *Juncus effusus*

23 *Epilobium adenocaulon*

24 *Polystichum acrostichoides*
shaded rocky wet place.

25 *Thalictrum*
edge of woods, not muddy.

26 *Tradescantia caroliniana* (L.) Walp.
wet woods

27 *Thalictrum*
edge of woods, not muddy

28 *Sisyrinchium*

29 *Thalictrum*
edge of woods, not muddy

30 *Thalictrum*
edge of woods

erect, not twining,
flowers white, stigma
branches long, thickened.
shrub 1.5 m. tall,
leaves glaucous,
resinolose beneath,
veins impressed above.

erect from decumbent
base, flowers pale bluish
lavender.

mass collection of
a single well developed
inflorescence from
each of many clumps,
and herbarium specimen
all from one clump.

flowers lavender pink
striped with white.

fruits glaucous - purplish.

flowers cream - white

fruits green

fls. bluish, ~~purple~~ paler
without

fruits purplish - glaucous

fruits purplish - glaucous

23431. *Anisaeona*
wet woods

32. *Thalictrum*
wet woods

33. *Habenaria fimbriata* (Ait.) L.B.

wet opening in woods

34. *Betula lutea* Michx
common in woods

35

open mud

36. *Juncus tenuis*
open mud

37

open mud, common

38. *Veronica*
by spring in grass

39. *Betula populifolia* Marsh
dry slope above spring

June 24 - Big Meadows Camp.

edge of escarpment

40. *Dryopteris marginalis* (L.) Gray
rocky wooded place

41. *Afraria betulifolia* var. *cymbosa*
(Apm. f. *campin*)

stems and petioles mottled
glaucous, leaves glaucous
beneath, spathes not fluted,
green with bronze
mottling without,
deep purple with white
stripes within, appendage
deep purple with bronze
base, ♀, stigma white.
herb 1.5 m. tall, fls
cream white.
flowers clear magenta-pink

tree 8 m. tall, one fruiting
twig seen, bark grayish
with thin layers peeling off

bush 1.5 m. tall,
bark white.

flowers very pale pink to
white, pink in center.

~~flora~~

23442

under trees, open grassy woods

43

under trees

44

Hydrophyllum
in undergrowth

45

Asclepias exaltata Muhl.
in brush in open woods

46

Convolvulus spithameus
in open woods

47

Quercus velutina
common in open woods

48

Lepidium
open rocky ground

49

lilene antirrhini
open rocky ground

50

Arenaria serpyllifolia
open rocky ground

51

Corylus cornuta
common undergrowth

52

Lesquerella
open rocky ground

53

Vitis
tangled in underbrush

54

Quercus

55

common in open woods

56

Galium lanceolatum
open woods

57

Rubus

open woods

58

Canis

open woods

Cespitos.

sepals pale green, petals
and pedicels bronze-purple.

fls. white

corolla pale bronze-green,
throats pinkish white,
crest. corolla white, lobed.tree 10 m. tall, bark
yellow within ^{acorn cups} (in bands)

plant gray-green,

flowers white

bush 1.5 m. tall

flowers yellowish.

leaves glaucous beneath,

2 trees

tree 8 m. tall, acorns
from ground beneath tree,
flowers maroon, roots
yellowpinnacles ascending
pinnacles prostrate tips
elongated, flowers white
loose spreading clumps

64

13459 *Hedysotis*
open woods
same - bog

65 *Juncus*

66 *Oenothera*

same - meadow near bog

67 *Cornus racemosa*
bog colony in edge of low woods

68 *Sanicula*

same - woodson rocky ground
below bog

69 *Panicum*

70 *Panicum*

71 *Hedysotis caerulea* (L.) Hook.
rocky trail

72 *Viburnum acerifolium* L.

73 *Galium*

June 25 Big Meadows Camp

74 *Quercus*
common in open woods

65

small tufts
whole colony with white fls.

small tufts

bushes 1 m. tall, fls.
white, with faint
unpleasant odor
fls whitish,

erect
culms solitary or small
tufts, fls. lavender with
yellowish eye
bushes 1 m. tall
fruits green
fls yellow
prostrate

tree 10 m. tall
(across or around beneath)

66

19115 - Virginia

23472 *Oxalis*
open roadside
73 *Geranium*
open roadside

June 25 Big Meadows,
Rocky Knob east of meadow

1080 m.

74 *Athyrium*
rocks crevices

July 5 Spitters Knoll,

1050 m.

75. *Tragopogon*
open roadside common
~~6. P. T. Tragopogon pratensis Mill. Knob
common in woods~~

June 25 - 1/2 mi. S. of
Cassent Rock Spitter Knoll

1060 m.

wooded slope

76 *Ostrya virginiana* (Mill.) Koch

June 25 - Cassent Rock

77 *Corydalis sempervirens*
rocks ledges

June 25 1/2 mi. N. of Cassent
Rock

1100 m.

78 *Isatis tinctoria*
open roadside, common

Shenandoah Nat. Park 67

erect, flowers yellow.
flowers magenta

ponds erect

ligules yellow.

tree 3 m. tall

plant glaucous,
spotted rose with yellow
tips.

(has spread in five
years along many miles of river)

June 25 - Skyline Drive w. of
Pass Mountain 700 m.

23479. *Platanus occidentalis*
wooded slope below road

June 25 3/4 mi. n. of
Jeremy's Run Overlook

80 *Galium*

June 25 Upper Overall
Run, just below Bear Hollow

roady talus with seeps of water 700 m.
31. *Lindera benzoin* (L.) Bl.

32. *Barbarea vulgaris*
in old road

33. *Equisetum*
wet broken rock

34. *Silene cucubalus* L.
wet broken rock

35. *Hedysarum*
roadside

~~36.~~ ravine cut in rock

36. *Ribes*

37. *Asplenium*
~~38.~~ rock crevices

38. rock ledge

39. rock ledge

spreading gnarled
tree

shrub 1.5 m. tall, aromatic
when broken, fruit green
flower yellow
sterile

petals white, plant
sprawling, branched
at base
loose tufts, flowers light
purple

hanging bush, fruit green

gronds ascending

70 1945 Virginia

90 *Saxifraga*

var. *crenata*

91 *Corydalis sempervirens*

rocky slope

Quercus

flat canyon floor of
broken rock, open wood

93 *Orobanchis*

abundant under a large
Quercus rubra tree

95 *Viola*

96 scattered

June 25 Bear Wallord
near head of Overall Run

flat rocky ground, wooded,
with marshy places.

97 *Oxalis*

98 *Acer nigrum* var.
dominant tree

99 *Carex*

23500 *alnus*

common in wet places

101 *Carex*

muddy place, abundant

muddy place

Shenandoah Nat. Park 71

leaves rose-brown
beneath, flowers white

tree 10 m. tall, leaves
glossy beneath,
~~trunk~~ bark scaly.

erect, solitary culms
yellowish-white

brash, 1 m. tall

erect, flowers yellow.
tree 15 m. tall

erect clump.
shrub 3 m. tall

loose spreading clump

72

1945 - Virginia

23505

muddy place

06 *Viola*

open woods, under trees

07 *Lonicera*

open woods under trees

+ 08 →

with #1 June 30 - Sleepy Hollow,
N. L. and 1 1/2 mi. S. of Falls Church, Fairfax Co.

brushy roadside, edge of oak woods

08a *Corylus americana*09 *Corylus americana* f. *missouriensis* (Fenzl) Fern.
growing with 235084 2357010 *Malaxis*11 *Malaxis unifolia* (Michx.) B. S. G.12 *Salix*13 *Grevillea verticillata*14 *Linum*15 *Juncus*wet open strip in wooded
bottom - land cleared in
early 194216 *Lentellaria*17 *Hystrix patens*18 *Circaeae*Henderson Nat. Park 73
- Fairfax Co.June 27 *Celtis*
College Park, Md. roadside
tree 7 m. tall.

bush 1.5 m. tall

bush 1.5 m. tall, leaves
chlorotic in appearance.

leaves pallid beneath,

flowers green

leaves pallid beneath

flowers green

shrub 4 dm. tall.

fls. deep yellow, margins
yellowish.

flowers yellow

solitary or scarcely
caespitose.

fls. blue-purple

erect, not caespitose

leaves disceded, fls. white.

- ✓ July 1 - Accotink Creek
where crossed at bridge
of Southern R.R.
marsh along shore of
reservoir formed by the
damming up of creek
- 23, 5, 19 *Scirpus atrovirens* var. *georgian*
- 20 *Alnus serrulata*
edge of woods where
small stream enters marsh
- ✓ 21 *Juncus*
uncommon in marsh
- ✓ 22 *Juncus*
rare
- ✓ 23 *Hedystachys*
rare in marsh
- ✓ 24 *Juncus*
occasional
- ✓ 25 *Ludwigia*
rare
- ✓ 26 *Juncus*
occasional
- ✓ 27 *Iszyriodium*
occasional
- ✓ 28 *Callitrichis heterophylla*
in small slow stream
in edge of marsh
- ✓ 29 *Callitrichis heterophylla*
in small slow stream
in edge of marsh
- ✓ 30 *Linum*
- ✓ 31 *Galium*
- ✓ 32 *Eleocharis*
- ✓ 33 *Juncus*
common

clumps
shrub & m. tall

& isolated shoots.

erect

fls blue-violet, paler
without
broader leaves floating,
narrow submerged,
plants limp
submerged, plants
rather springy.

flowers yellow
erect, flowers white
dense clump,
isolated culms

76 1945 Virginia

23534 Carex

occasional

35 *Alisma plantago-aquatica*
common muddy edges of water

36 *Eleocharis obtusa*
common muddy edges of water

37 *Potentilla norvegica* var. *biserrata*
edges of woods, recently
burned over, above
marsh.

38 *Hedysotis purpurea* (L.) T+G.

39 *Satureja vulgaris*

bottom-lands along creek

40 road embankment

41 *Dryopteris*

42 *Geum*

43 *Sisymbrium*
rocky stream - bed.

44 *Dryopteris*
bank above stream

45 near stream

46 *Hedysotis*
July, - between Ravensworth
Station and Accotink Creek

Oak woods on rolling
land

46 ~~Hedysotis~~

47 *Malaxis*

Fairfax Co.

77

clump, stems leafy
petals white
dense clumps
erect, petals yellow

flowers lavender

fls. yellow

fronds erect, reinnervation
petal, white
fls. yellow

purplish green

fls. green

23543 *Lobelia spicata* var. *scoparia* Nels.
clearing along railroad

49 *Linum*
clearing along railroad

50 *Galexia trifoliata*:
clearing along railroad

51 *Cryptotaenia canadensis*
side of ravine

52 *Galium pilosum*

53 *Panicum brevii*

54

55 *Fagus grandifolia*

56 *Galium circaezanum*

57 *Luzula*
occasional in woods

58 *Mitchella*
occasional mats in woods

59 *Hedysotis purpurea* (L.) T. G.
occasional tufts

• July 6 - Sleepy Hollow, 1 mi.
s. of Falls Church, Fairfax Co.

60 *Clethra*
wet subsoil turned up last
winter in bottom-land

61 *Juncus*
wet subsoil turned up last
winter in bottom-land

62 *Daucus carota*
weed along roadside

63 *Daucus carota*
weed along roadside

blooms all purple pink
with 2-3 white
purple flower in center
than the white flowered ones

deep with 2-3
in flower in center
than the white flowered ones

subprostrate herb
0.7 m. tall.
fl. white

prostrate
culms rotatory, ascending
culms erect, spikelets
pendent.

tree 8 m. tall, bark
gray.

stems ascending,
roots yellow.

tufts, connected by
rhizomes.

forming loose mats,
fruits green.

flowers lavender.

dense tuft

small tuft

(33) mass coll. to show relative proportion
of plants with a purple flower (23563) in
(16) the center of the umbel to those
without (23563)

July 8 - Elkins, 1 mi. s. of
Great Falls, Fairfax Co. 900
woods rather recently
burned by a ground fire
which destroyed the
undergrowth but not the
taller trees, covered
with a growth of herbs.

23564 *Circaea quadrangularis*
var.

65 *Galium aparine*
66 *Phryma leptostachya*

67 *Hedysarum*
rare

68 *Galium*

69 *Acalypha*
rare

July 8 Great Falls of the Potomac,
Fairfax Co., Va.
rocky flat and tops of low
rock cliffs

70 *Ruellia*
edge of open woods.

71 *Hedysarum*
patches of soil and crevices
in rocks

72 *Galium pilosum*
rocks, in pockets of soil

buds purplish, flowers
white

— ascending, roots yellow
erect, flowers purplish-
maroon, with white
tube

flowers pale lavender
stems prostrate to
ascending, flowers
— purplish-green
erect

flowers blue-violet

flowers lavender

stems ascending to prostrate

82

1945 - Virginia

73 *Clitoria mariana*

rocky flat

74 *Justicia americana*
crevices in rocks in pools
in rocky cascade75 *Veronica virginiana*
rock flat, ~~so~~ growing
up through deep grass76 ~~Allium cernuum~~

sand

76 77 *Uniola*

rock flat, abundant

77 *Allium cernuum*
sand on rock flat, commonJuly 14 - 1/2 mi. n.w. of Hemlock
Spring Overlook

Shen. H.

brushy bank above road

930 m.

78. *Prunus virginiana*79. *Epilobium angustifolium*July 15
~~Beaumaris~~ - Big Meadows Campground

oak forest

1100 m.

80. *Corylus cornuta*common, makes up most of
underbrush

Fairfax Co - Shenandoah Nat'l H. 83

flowers pale lavender

erect, stems flexuous
flowers lavender, center ~~blue~~
of lobe purple, stamens
deep purple.
erect, flowers whiteloose clumps, spikelets
- pendent
umbels ~~are~~ nodding,shrub 1.5 m. tall, fruit red,
sweetish but ~~acidic~~ ^{acidic} and astringent.
corolla magentabush 1.5 m. tall, not
pubescence, esp. on young
twigs.

July 15 - Saddle s. w. of Hawksbill Mt.
n. of Spiller Knoll.

open meadow on gentle west
slope, scattered bushes and
patches of brush.

73581. *Allium cernuum*

82. *Trifolium*

83. *Tragopogon*
common

84. *Repeta cataria*

85. *Rhus typhina* L.
common

July 15 - Rock Spring shelter,
~~3/4 mi.~~ s. w. of Hawksbill Mt.

wooded ravine

1000-1050 m.

86. *Vaccinium*

87. *Corylus cornuta*
~~spicata~~

88. *Tilia*

89. *Acer nigrum* var.

90. *Prunus pensylvanica*

flowers lavender, umbels
nodding. leaves flat
flowers yellow
erect herb, branching
when older, flowers
pale yellow, bracts
longer than flowers
aromatic. flowers pinkish-white
shrub 2 m. tall, leaves
glaucous beneath, pubescence
of immature fruit rose-purple.

low-bushes, leaves
glaucous beneath, berries blue.
- brush 1 m. tall (note
slant tubes)
- small spreading tree,
leaves green beneath.
tree 8 m. tall, (specimens
from lowest branch), leaves
glaucous beneath.
slender shrub 1.5 m. tall,
fruit bright red.

86

1945 - Virginia

13591 *Thalictrum*92 *Oenothera*
common along trail3 93. *Betula lenta*
commonJuly 15 - Appalachian Trail,
west slope Hawksbill Mt.

open woods

1050 m.

94. *Corylus cornuta*95. *Dryopteris*96. *Menispermum canadense*97. *Hedysotis caerulea* (L.)

shaded place along trail

98. *Vaccinium*

clumps all low

99. *Aster*with
m. foliage to 2500 m13600 *Quercus*01. *Arenaria*02. *Tilia*03. *Corylus americana*

Shenandoah Nat. Park.

87

leaves glaucous beneath
 - fruits glaucous - purplish
 - erect herbs 1 - ~~2~~ m. tall,
 petals butter - yellow,
 and oecium somewhat
 zygomorphic
 tree 7 m. tall, 1 dm. thick,
 broken parts with
 strong wintergreen odor.

bush 1.5 m. tall.
 - note long tube
 - fruit somewhat crisped.
 - rhizome subterranean.
 vine climbing on
 - bushes, fruit immature.
 post flowering
 - clumps all low, berries
 - glaucous.
 - rays lavender, disk
 yellow, turning red

leaves lustrous above,
 petioles & midribs reddish
 - fruits green
 - leaves green beneath, fl. white
 shrub

23604. *Acer pensylvanicum*

25. *Smilacina racemosa*

26. *Acer spicatum*

27. *Gaultheria*

28. *Physocarpus opulifolius*

29. *Dicentra canicera*

30. *Acer spicatum*

31. *Hamamelis virginiana*

32. *Lysimachia quadrifolia*

33. *Zizia aptera* (gray) ^{gray fern}

34. *Tilia*

35. *Scrophularia*

36.

37. *Hydrophyllum canadense*

38. *Monotropa uniflora* L.

39.

40. *Baptisia tinctoria*

41. *Dioscorea quaternata* var. *glauca*

42. *Tilia*

trunk smooth, white
striped, fruiting spikes
pendent, wings green.

fruits bronze
branches brownish, not
striped, fruiting spikes
pendent, wings reddish,
fruit green

shrub
fls. greenish yellow. (Fls.)
fruiting spikes drooping,
wing reddish.

shrub
erect, fls. yellow with
extreme base of petals
red, margins reddish.
herbage with celery odor
when broken
tree, flowers whitish
leaves green beneath

herb late
corolla red, base green.
herbage with a strong
oily odor when broken.

roots fleshy
white, odorless
fruit with oily odor when
broken

flowers yellow

wine, fruit green

leaves glaucous
beneath

July 15 - trail up west slope of Hawksbill Mt.
23.023 *Galium* wooded slope

July 15 summit of Hawksbill

low brushy woods of deciduous ~~245 m.~~
trees with *Abies* & *Picea*, on top
rocky cliff

24 ~~Solidago~~ *Hedysotis canadensis* (L.) Hook.

earth in edge of woods

25 *Solidago*

26 *Hydrangea arborescens* L.

27 *Hydrangea arborescens* L.

28 *Spiraea latifolia*

29 *Spiraea latifolia*

July 15 ^{Lewis} ~~Brooks~~ Spring shelter
headwaters of Hawksbill Creek

under hemlocks in ^{rocks} bed 970 m.
of stream

30. *Maianthemum canadense* Dug.

31 *Clintonia*

32 *Circaeum alpinum*
wet ground

33 *Lycopodium lucidulum* Michx.

flowers red caespitose

past flowering

flowers yellow, scarcely
in flower yet.
shrub 1 m. tall, flowers
white.

shrub 0.7 m. tall, flowers
pale pink
spreading clump several
meters across, 0.5 m. tall,
flowers pinkish white.
spreading clump 2 m.
across, 0.5 m. tall, fls. white.

fruit mottled with purple
fruit blue
flowers white, stems succulent

23634. *Onoclea sensibilis* L.
 35. *Psychotria cordata* (Walt.) Vail
 same - deciduous forest
 36. *Aconitum*
 37. *Festuca*
 38.
 39. *Circaea quadrivalvis* ^{var. canadensis} _{(L.) Greene}
 40. *Impatiens biflora*
 large patch ~~near~~ ^{along}
 stream
 41. *Impatiens pallida* L.
 common but farther from
 stream than # 3640
 42. *Angelica*
 occasions
 43. *Anemone*
~~occasional~~
 44. *Ceanothus americanus*
 occasional
 45. *Hedysarum*
 common in open woods on
 rocky slope

July 15 - canyon wall
 below Lewis Spring shelter
 but above falls, headwater
 of Hawksbill Creek
 sparsely wooded rocky slope 900 m.

sterile
 fruit green

stems prostrate,
 flowers white with greenish
 tinge
 tufts, culms arching

fls. white
 stems succulent,
 flowers orange, spotted
 with red.

stems succulent, flowers
 pale straw-color with
 a few purple spots within
 herb, 3 m. tall, fruits
 with strong unpleasant
 oily odor when broken.
 flowers bright yellow.
 caespitose clumps
 clumps, flowers white

caespitose, flowers
 from ~~pink~~ lavender to
 white. Mass v. sp.
 1 stem from each clump
 seen in 100 m. along trail.

236 461. *Parthenium integrifolium*
 47. *Acer spicatum*
 bottom of ravine near stream
 48. *Corydalis sempervirens*
 rocks crevices or ledge
 49. *Acer pensylvanicum*
 bottom of ravine near stream
 50. *Hedysarum*
 rocky canyon wall
 51. *Denothera*
 small colony in semi-
 open place

July 15 - Appalachian trail
 just south of and above
 Lewis Spring Shelter,
 headwaters of Hawebill
 Creek.

open slope with scattered ⁵
 bushes and patches of brush
 frusley woods.

52 *Betula lenta*

53 *Scrophularia*

54. *Asplenium platyneuron* (L.) Presl

55 *Aster*

56 *Scrophularia*

57 *Lathyrus vulgare* (L.) Greene

erect, heads white
 bush 2 m. tall
 plant glaucous
 shrub 3 m. tall
 caespitose fls. lavender.
 mass col. of one stem
 from each clump seen
on about 100 m. of trail
 erect herbs 1 m. tall,
 flowers bright yellow.

small tree 7 m. tall,
 bark with strong wintergreen
 odor when broken.
 branching at base, crooked
 limb maroon, base green
 fronds erect.
 rays lavender, disk reddish
 stems & base purple, crooked
 limb deep purple, base green
 flowers magenta

✓ 658. *Geranium maculatum*
 ✓ 59. *Convolvulus sepium*
 ✓ 60. *Hieracium pratense*
 ✓ 61. *G. Polygonum*
 ✓ 62. *Ipomoea perfoliatum*

✓ 63. *Lysimachia quadrifolia*

✓ 64. *Anemone virginiana* -
common

July 16 - Falls of upper
Hawksbill Creek below
Lewis Spring shelter.

steep rocky canyon
walls, sparsely wooded,
young talus slopes 2600 m.
✓ 65. *Adlumia fungosa*

✓ 66. *Campanula*

flowers purple
 flowers white
 flowers yellow
 flowers whitish,
 clump of herbaceous
 stems, m. tall, fruit
 dull red, immature.
 erect, flowers yellow
 but red center, large,
 margins red also.
 (all in this colony of the cl.)
 mass coll - infl. with
 bracts of many plants
 not very close to each
 other - much variation
 in bracts - from small
 & green to large & white.

vine up to 2 m. long,
 glaucous, fls. whitish
 turning lavender, limb
 greenish
 erect herb 1 m. tall,
 branching at base, main
 stem with small axillary
 branches, flowers blue-violet
 with tube white.

73667 *sedum*
abundant on rocks

67 *Woodsia*

in rock crevices

68. *Actaea*
rock crevices, bottom of canyon70. *Asplenium*
rock crevices, near bottom of can.71. *Campanula*72. *Dryopteris*
rock crevices near canyon bottom73. *Arabis*

rock crevices near canyon bottom

74. *Polystichum acrostichoides*75. *Abies*76. *Tilia*

Talus

77. *Ceanothus americanus*
scattered clumps78. *Draba ramosissima*
on ledge covered with
thin talus79. *Juncus*

rocky slope

80. *Impatiens pallida*
rocky slope, shade

forming ^{low} mats of fleshy
rosettes, flowers white
tinged with pink,
mostly in fruit
- anthers deep purple
dense tufts.

pedicels thick, green,
fruit white.
- tufts, appressed to rocks
creepers, flowers violet
pods compressed
erect.

spreading tree,
fls whitish, leaves
glossy beneath,
mass coll - one twig from
each clump (herb
specimens from one clump)
dense clumps, on
ledge covered with
thin talus

stems succulent,
flowers clear bright
yellow, red spotted
within.

22681 *Corallorhiza maculata*
edge of trail in shade, only
one seen.

July 16 - Swift Run Gap.

roadside, 7000'

82 *Trifolium arvense* abundant

83 *Trifolium*

July 21 - Jewel Hollow
Overlook,

2900'

84 *Myrica peregrina*
road cut

July 21 - $\frac{1}{2}$ mi. n. of
Crescent Rocks

woods on rocky slope 3500'

85 *Tilia*
edge of woods

86 *Hydrangea arborescens*
road cut

87 *Calochortus thalictroides* (L.) Muhl.
deep shade

88 *Hydrophyllum canadense*
deep shade

plant orange-pink,
sepals and petals orange
tipped with purple-orange,
lip white with deep
purple spots.

prostrate, flowers yellow

spreading clone, 6 dm.
tall, sweet smelling.

large spreading tree,
leaves somewhat
bluish green beneath
low shrub, ~~staminate~~
fls pinkish, ~~style of young~~
~~deep pink~~
mature fruit blue,
rosts all golden orange, fleshy

102

1945 Virginia

23689 *Ribes*
road cut
90 *Gentian*
roadside
91. *Ranunculus abortivus*
deep shade
92 *Ribes*
deep shade
93. *Hydrangea arborescens*
road cut
94. *Impatiens pallida*
deep shade
95. *Hydrangea arborescens*
road cut

July 21 - Headwaters of
Shenandoah River just
below Thornton Gap

96. *Ailanthus altissima* 2000'
abundant along road
97. *Ailanthus altissima*
abundant along road

July 21
David Spring, Big Meadow

marshy place below spring 3300-3400 ft.
98. *Hypericum nudifolium*
99. *Galium*

flwr. Net. dark

103

erect herb, 1 m. tall,
fls. yellow

flowers white

fls. clear yellow,
internally finely
dotted with purple
style & free part of capsule
rose

tree 4 m. tall

tree 4 m. tall, fls. white

flowers yellow
erect, flowers white
3-petaled

104

1945 Virginia

23700 *Eupatorium*~~scattered~~

- 01 *Chelone glabra* v. *elatior* Raf.
- 02 *Impatiens pallida*
immediately adjacent
to large colony of *I. biflora*,
but relatively scarce
- 03 *Impatiens biflora*
large colony of two
principal color patterns
this and 23704 growing
mixed
- 04 *Impatiens biflora*
name

July 24 Big Meadows
Bog

3380'

brushy marshy, surrounded
by young *Betula* - *Crataegus* -
Physocarpus wood, surrounded by meadow

- 05 *Rhus typhina*
scattered colonies in meadow
- 06 *Rhus typhina*
scattered colonies in meadow
- 07 *Lycopodium complanatum*
meadow

flwr. Nat Park.

105

erect herb 1-1.5 m. tall,
stems ~~red~~ purple, with
solid pith, infl. very
convex, pinkish lavender
herb, m. tall, ascending,
fls. rose inside
stems succulent
flowers clear yellow,
~~red~~ minutely dotted
with purple within.
stem succulent,
1 m. tall, flowers orange,
~~red~~ red spots within
so large that they
run together, making
the interior mostly ~~the~~
~~the~~ same, the only
lower part of spur
red, spotted, lower petals
red near base.

shrubs 1 m. tall, fruits
with red pubescence
shrubs 1.5 m. tall
fls. dull greenish yellow,
prostrate

23703. *Hypericum mutilum*
bog
10. *Ludwigia*
prostrate
11. *Lysimachia ciliata*
abundant
12. *Rosa*
large dense along in marsh
13. *Trandolpetteria caroliniana*
occasional in ~~marsh~~
and meadow
14. *Arisaema stewardsonii*
marsh
15. *Oenothera fruticosa*
abundant in marsh
and along stream bearing marsh
16. *Robelia cardinalis* L.
uncommon in marsh
17. *Rubus*
common in marsh
18. *Oenothera fruticosa*
abundant in marsh
and along stream leading from
19. *Sanguisorba canadensis*
abundant in marsh

flowers yellow
mass w/ one twigs
from each of many
clumps, flowers
trinerved white.
infl. variable in shape.
bronze green, prostrate
flowers clear yellow
with red center.
plants 4 ft to 1 m tall,
petals bright rose,
very little odo.
fls. white
past flowering, young
fruit. leaves clear
green beneath, spathe
tube fluted.
flowers bright yellow.
buds deep red.
prostrate flower white
caespitose, flowers bright
scarose. fls. greenish
white.

23720. *Veronica virginica*
marsh
1. 21. *Isoetes* ^{dried pool}
2. 22. *Veronica virginica*
marsh
3. 23. *Lacalia atriplicifolia*
4. 24. *Paronychia*
dried streambed, stony
5. 25. *Veronica virginiana*
marsh

July 22 Big Meadows
Camp ground

1. 26. *Physalis*
2. 27. *Corallorhiza maculata*
3. 28. *Chimaphila maculata*

erect clump, flowers
pale pinkish
erect clump, deeper
purple pink than
23720
erect, leaves white
beneath, heads white
erect clump, fls. purplish
pink, spikes variously
forked at top. Several
clumps very similarly
forked. All in this
vicinity this color.
with 23722.

fls. pale yellow with
lobed laciniate
maroon spot in
center. Campanulate
rhizome white, fleshy,
stem leaves purple-
bronze, fls. purple-
bronze with white
lip spotted with maroon-
purple.
leaves marked with white,
fls. white, very green

July 22 - Bootene Gap,

weedy opening and road clearing 992m

23728a *Galinsoga*
- 29. *Polymnia canadensis*
dense colony along road

230 *Fragaria*
common in opening

31 *Campanula*
occasional in opening

32 *Hypericum*

33 in road

34. *Polygonum aviculare* L

35. *Plantago major* Mill
in road

36 *Scrophularia*
edge of woods

37. *Cichorium intybus*
common ~~along~~ along roadsides

38 *Cynoglossum* ~~hirsutum~~
edge of woods

39. *Chelidonium majus* L
edge of woods

40. *Lepidium virginicum* L
edge of woods

- rays white, disk greenish yellow
herbs 0.5-1 m. tall,
- heads pale yellow.
- receptacle oblong-ovoid,
achenes superficial,
petals scarcely developed.
corolla blue-violet,
white at base - erect herb,
erect herb, flowers pale yellow
spreading tufts
prostrate.

-

erect, corolla limb
maroon within, green
without, tube green
erect, flowers blue
flowers ~~pinkish~~ white
succulent, sap orange,
flowers yellow.

July 23 Skyline Drive at
Bush Mt.

roadside

1000 m

23741

Paronychia

common

42 *Vicia*

43 *Lathyrus*

July 23 $\frac{1}{2}$ mi. north of
Lewis Mt. Picnic Ground, south
of Bearfence Mt.

1000 m

44 *Astragalus canadensis* var. *canabinus*⁽⁴⁾ from
rocky road cut

July 22 Kitee Deadening, upper
end of Pocosin Fire Road

1000 m

45 *Hedysotis*

roadside at base of great rock

46 *Impatiens pallida*

isolated single plant in
clump of pale forms (23747)
at foot of large rock

47 *Impatiens pallida*

common at foot of rocks
and slope above, not near water

48 *Lobelia inflata*

weedy roadside

reclining ~~upright~~ other plants
flowers bright pink,
different plants
different colors. leaves
and stems glaucous.

~~rocky road cut~~
erect caespitose herb 1 m.
tall, calyx and corolla
greenish yellow, corolla
becoming slightly ~~red~~
color. stems purple.

caespitose, flowers lavender

erect, stem succulent,
flowers clear yellow,
finely dotted with purple
within.

succulent stemmed herb
1 m. tall, flowers straw color,
finely dotted with purple within.
flowers blue, lavender and
pink-lavender (only one of 4 blue ones).

July 22 - Swift Run Gap,

open weedy meadow
 23749. *Polygonia canadensis*
 50. *Sassafras albidum*

51. *Galium*
 52.

July 22 - 1/2 mi. N. of Simmons
 Gap,

wooded slope

7112

52. *Ulmus fulva*53. *Rubus phoenicolasius*
 roadside, large colony54. *Viburnum acerifolium*
 open rocky woods55. *Ceanothus americanus*
 steep open rocky woods56. *Monotropa uniflora*

steep open rocky woods

57. *Hedysarum*
 steep open rocky woods

heads pale yellow
 small tree 5 m. tall,
 aromatic when broken,
 fruits mostly green,
 occasional ones purple
 with red receptacle.
 branching "terminaloid"
 forming dense ground-
 cover. roots yellow,
 flowers white.

small flat topped tree
 arching canes, # floriferous
 rooting at tips, fine
 prickles reddish, fruit
 red, slightly tart and
 astringent, forming free
 from the orange conical
 receptacle.

shrub 1 m. tall.

fruit green

mass collection
 of twigs from separate
 bushes
 plants white.mass coll. of stems from
 separate tufts. fl.
 lavender

27758 *Corallorhiza maculata*
steep open rocky woods
59 *Oenothera*
road cut talus

July 22 Headwaters of a. fork
of Rocky Mountain Run (Beagle
Run), 3 mi. s. w. of Simon
Gap.
steep, dry, rocky scrub oak
~~talus~~ slope. 800 m.

59a *Hedysarum*
60 *Vaccinium*
common

61. *bericocarpus asteroides*
rare
62 *Quercus ilicifolia*
abundant
63. *Nyssa sylvatica*
rare, but on rocky dry talus

July 22 - just south of
Beagle Gap 900 m.

64. *Linaria vulgaris*
open weedy slope
65 *Vernonia*
66 *Crataegus*
67 *C. Hedyotis*
68 *Monarda*
69. *Plantago austriaca*
roadside, abundant
70 *Crataegus*

plant bronze, flower
bronze-purple with
white lip with purple spot.
herb 1 m. tall, flower yellow

caespitose, fls. lavender,
spreading clvrs, all lvs.
leaves glaucous beneath,
stiff, berries blue,
fls. poor flavor.
rays white

bushes 2 m. tall

small tree 3-4 m. tall.

flowers yellow, petals orange
flowers deep purple
small shrub, petals
flowers lavender
aromatic herb, fls. pink

small rounded tree 5 m. tall

118

1945 Virginia

July 23 - Scott Mt
(overlook)

roadside thicket

23771. *Astragalus canadensis* var. *canadensis* (L.) Jones72. *Hymenocallis acutifolia* (L.)73. *Anemone virginica* L.Aug. 10 - Sleepy Hollow, 1 mi. s. of
Falls Church, Fairfax Co.74. *Polygonum orientale* L.
weedy roadside

Aug 12 - same.

marshy place in ~~fronted~~, well developed after a very heavy rain spell.
open bottom-land pasture75. *Ludwigia Rotula ramosa*
common in patches76. *Gratiola Lindernia*77. *Mimulus ringens* L.
occasional78. *Alisma plantago-aquatica*79. *Penthorum sedoides*80. *Ludwigia palustris*
abundant81. *Nitella*

abundant in pools of water

Fairfax Co. 119

erect claspitose herbs.
fls with calyx and
corolla greenish yellow
turning slightly lead
color. stems purple
shrub 1.7 m. tall, fl. pinkish,
erect, claspitoseerect, spikes crimson,
nodding.

well developed after a very heavy rain spell.

erect, turning reddish,
- petals 4, small, white to pink
stout to slender, fls. purple.

auto-mict erect, basal 1-1.5 dm. thickened
and spongy, corolla
tube white, throat and
limb violet, palate yellow,
throat almost closed by palate

erect, petals 3, white
flowers whitish
prostrate, mat-forming,
bronzed, fls. green.

fruit orange, plant
somewhat spongy.

120

1945 - Virginia

7782 *Paspalum*
edge of stream
83 *Echinochloa*
marsh

- Aug. 13 - same
reddish acid soil on hilly old field
knoll, very little topsoil,

84 *Rhus copallina*85 *Rhus copallina*

- Aug. 16 - same
86 ~~marshy place in pasture~~^{bottom land} pasture

86 *Lindernia*
abundant in wet place87 *Paspalum laeve*

common

88 *Paspalum*

common

89 *Helenium*

only one seen

Fairfax Co.

121

loose clump

loose clump

bush 1 m. tall, branching
- flowers greenish yellow.
bush 1 m. tall, branching,
young fruits pinkish-
purple, glaucous.

plants varying greatly
in slenderness, and in
color of stems, length
of pedicels, size of
involas. corollas lavender,
spreading tufts, grazed
spreading to erect, grazed.
disk reddish, rays
chrome-yellow.

Aug. 13 - Thornton Gap

brushy slope along road

23790. *Euonymus*
roadsides, probably, escaped

- 91. *Polygonum*
climbing over brush
- 92. *Bidens*
- 93. *Clematis virginiana*
climbing over brush
- 94. *Monarda fistulosa*
common on open roadside
- 95. *Quercus velutina*

Aug. 13

Booster's Gap

- 97. *Plantago rugelii*
stony roadbed.

Aug. 13 Thornton Gap

- 96. *Polygonum cuspidatum* Sieb. & Zucc.
roadsides

Crescent Rocks

- 98. Rock ledge
- 99. *Liatris*

extensively creeping,
forming a dense mat
about 2 dm. thick,
sterile.

~~large~~ vine, fls. white
fls. yellow.

extensive vine,
flowers white, fruit
immature.

erect, fls. pale lavender
tree 15 m. tall, inner
bark dull orange,
leaves with dark, silvery luster.

^{much}
hollow-stemmed, ^{branchy}
herb 2 m. tall, flowers
white, fragrant.

caespitose, erect, bright purple fls.

124

1945 - Virginia

23797. *Agrostis perennans*
 199. *Poa compressa*
 23800. *Paronychia*
 01. *Arabis*

Aug. 13 Big Meadows

bog, mostly overgrown
 with tall grasses and sedges
 or *Epilobium*
 03. *Pycnanthemum flexuosum*
 large patch
 04. *Epilobium*
 common in bog
 05. *Lycopus*
 occasional
 06. *Lobelia cardinalis*
 common locally
 07. *Aquilegia*
 in meadow
 08. *Vernonia*
 common in bog

Aug. 17 - Pine Fields, Roanoke

rocky slopes with thin woods
 09. *Agrostis perennans* Walt. subsp. ^{det. T. H. Kearney} 2. the
 scattered

Aug. 19 - same
 10. *Panicum lindheimeri*
 11. *Spiranthes*
 rare

1 hen. Nat. Park

125

erect, panicle nodding
 erect
 flat topped
 glaucous, flowers white

flowers pink
 aromatic, flowers
 purplish white

flowers white, rhizome
 with white fusiform enlargement
 erect, in clumps, corolla
 deep scarlet, anthers
 dull gray, beard white,
 erect

erect, clumps, flowers
 deep bright purple

small tufts, erect.

small tufts,
 flowers white, roots fleshy

23817. *Panicum huachucae* Ashe
 13. *Clismaphila maculata*
 not common, under trees
 14. *Gaultheria procumbens*
 occasional
 15. *Lespedeza hirta*
 Aug. 19 - Skyline Drive - n.w.
 of Pinefield Leanto
 rocky road-cut.
 16. *Hieracium scabrum*
 17. *Hieracium paniculatum*
 18. aster
 19. *Arctium*
 20. *Pteridium aquilinum* (L.) Kuhn
 talus
 21. *Iris*
 22. *Polygonum*
 23. *Euphorbia maculata*
 roadside
 24. *Hedysotis*
 25. opening in ~~scrub~~ brush on ridge
 26. *Hedysotis*

large tuft, culms prostrate
 leaves dark dull green,
 marked with white.
 rhizome prostrate
 subterranean, fruit green,
 broken parts with
 wintergreen odor.
 erect clump, flowers cream-
 white with red spots at sides.
 wts milky
 erect clump with few
 stems, flowers yellow.
 erect, flowers yellow
 erect, rays lavender, disk
 reddish.
 flowers purple
 large leaves on a basal
 rosette, fertile part
 of plant 3 dm. tall,
 much branched,
 rhizome deeply buried
 erect, flowers rose-purple
 twining on weed.
 nodding
 small tuft.
 flowers lavender to
 white (the whiter more shade)

23326. *Diodia teres*
small but dense patch in open
Aug. Ridge from main ridge of Blue Ridge
to Rocky Mt.
wooded ridge of broken quartzite
27. *Stellaria pubera* Michx.
28. *Polygonum*
29.
30. *Galium*
31. *Eupatorium*
abundant along trail
32. *Polygonum pensylvanicum*
33. *Amphicarpaea bracteata* (L.) Fenzl
34. *Levisticum officinale*
35. *Parietaria pensylvanica* multicellular
36. *Gaylussacia baccata* f.
with #23838, rare
37. *Tephrosia*
common
38. *Gaylussacia baccata* f.
with #23836 but much more common
39. *Lyonia ligustrina*
uncommon
40. *Vaccinium*
uncommon
41. *Xerophyllum asphodeloides*
good sized colony on dry soil
with *Quercus ilicifolia*

flowers lavender-pink

flowers white
vine climbing over plants,
flowers white
- fruit green
- roots bright yellow
flowers white
erect, flowers pink
twining, flowers cream-white
erect clump
apparently attacked
by a mosaic disease
bush 1 m. or less, tall,
fruits black, flavor good
grayish, caespitose
bush 1 m. tall, fruits with
bloom
bush 1 m. tall
bush 1 m. tall upper
stems green, berries blue,
flavor good
caespitose clumps,
old fruits only seen

23842 *Angelica*
 43. *Quercus prinus*
 dominant tree
 44. *Quercus marilandica*
 common in scrubby forest
 45. *Quercus marilandica*
 common in scrubby forest
 46. *Epigaea repens*
 rare on dry brushy slope

Aug. 19 - slope of Rocky Mount

dry, quartzite slopes,
 alternating open talus,
 brush and patches of food
 47. *Quercus marilandica*
~~shrub~~ common on brushy ^{openings}
 48. *Castanea pumila*
 rare on brushy slope
 49. *Cuphorbia ericifolia*
 openings
 50. *Vitis*
 51. *Aster linifolius*,
 occasional in openings
 52. *Asclepias verticillata*
 quartzite talus, rare
 53. *Quercus coccinea*
 occasional in brushy slope

erect herb, stems purple
 and tree, leaves less deeply
 lobed than usual
 small tree, 5 m. tall,
 fruit not mature
 small sterile tree
 prostrate

shrub 2 m. tall
 shrub 1 m. tall
 flowers white, ovary green,
 mass collection to flower
 variation in shape of appendix,
 woody vine, leaves
 blue glaucous beneath,
 petioles reddish, fruit
 green.
 rays purple, leaves
 stiffish
 flowers white
 tree 6 m. tall, sterile

23354. *Quercus ilicifolia*
abundant on rocky slopes,
forming a bushy chaparral-
like vegetation

55. *Quercus manilandica*
~~common~~ abundant on rocky
slopes in brush with
Q. ilicifolia

Aug. 19 - top summit
ridge of Rocky Mt.

edge of eroded quartzite
56. *Pinus strobus* L.

57. *Anaphalis margaritacea*
small colony

58. *Solidago*
occasional on open rock

59. *Rhus toxicodendron*
small colony under trees

60. *Melampyrum lineare* ^{an. luteum}
occasional in openings

61. *Xerophyllum asphodeloides*,
colony scattered along ridge

Aug. 20 - Pinfield, Beants
~~soil~~

rocky slopes

62. *Hieracium paniculatum*

woody clearing

64. *Vitis*

edge of clearing

mass collection of
twigs from ~~many~~ different
individuals to show
leaf variation

mass collection
to show variation
in leaf outline

small tree 6 m tall
comes on ground under trees
erect

erect, flowers yellow
strictly erect, on m.
- tall
corolla white, opening
- yellow.
claspers

erect, flowers yellow

woody vine climbing
over trees, stems

134 1945 - Virginia

23865 Pyrola

mixed woods, small colony

66. *Malaxis unifolia* Michx.

mixed woods, only 2 plants seen

67. *Linum*

small colony, shaded

68. *Paronychia*

occasional, shaded

69. *Hedera*

foliage

shade near stream

70. *Hypericum gentianoides*
road in weedy clearing.

71. *Crataegus*
colony of small plants in field
Aug. 20 - just n. of Loft Mt.

weedy roadside

72. *Erigeron canadensis*

73. *Ambrosia trifida*
large colony

74. *Oenothera*

occasional

75. *Cirsium discolor*

occasional

76. *Lactuca sepioloides*
common

Aug. 20 - Simmons Gap, east slope,
upper left fork of Ivy Creek.

wet bottom of canyon,

77. *Mentha spicata* L.
abundant in mud
between large rocks

135

veins petiolid, raised

on glossy upper leaf surface

(fruiting plant collected same
place Sept. 15).

stem not glaucous,

flowers yellow

flowers yellow, fruit red.

shrub 1 m. tall, flat topped,
sterile.

erect, heads white

herb 2 m. tall.

erect herb, flowers yellow

herb, 1 m. tall, much
branched, heads bright purple,
flowers pale yellow.

27878. *Vernonia glauca*
occasional in wet ground

79. *Viola*
small but dense colony

80. *Epilobium*
occasional in mud

81. *Polygonum virginianum*
small colony on wooded slope

82. *Verbena urticifolia* L.
uncommon in wet place

83. *Impatiens biflora* f.
wet place

84. *Stachys*
wet place, only one plant seen

85. *Symporicarpus orbiculatus*, Moench
roadside

86. *Impatiens biflora* Walt.
large colony in wet stream bed

87. *filene*
wet stream bed

88. *Eupatorium perfoliatum* L.
small colony

89. *Lobelia siphilitica* L.
occasional in wet stream bed

90. *Mimulus ringens* L.
common in wet stream bed

91. *Juncus*
rare, in deep weed vegetation
in wet place

herb 1.5 m. tall, flowers
~~deep~~ ~~purple~~ purple
~~wood~~ brown

tall, much branched herb,
flowers pink
erect

erect, flowers white,
much larger individual seen.
two or three plants seen
of this form, cream color
with fine red dots,
among large colony of
orange form (# 23386)

erect, flowers white
small shrub

herb 1 m. tall, stem succulent
corolla orange with
bright red spots.

corolla white, calyx
with deep green ribs.
leaves rugose, heads
dull white.

corolla deep violet

erect, flowers ~~pink~~
lavender

138 1945 - Virginia

23392 *Leersia oryzoides* (L.) Sw.
wet place

93. *Panicum clandestinum* L.
roadsides

94. *Laportea canadensis* (L.) Gaud.
moist, dessicating roadside ditch

95. *Carya ovata* (Mill.) Koch
edge of stream

96. *Alnus*
edge of stream

97. *Carpinus caroliniana* Walt.

98. *Eupatorium*

99. *Tsuga canadensis* (L.) Carr.

23900. *Diospyros virginiana* L.
wet stream bed

01. *Sanguinaria canadensis*
rocky place

02. *Prunus americana*

Shen. Nat. Park

139

tangled mass

erect, stinging,
fruit translucent, fleshy.
tree 15 m. tall, 4 dm.
thick, bark detaching
in large pieces fruit
globose

thicket-forming shrub
3 m. tall

tree 6 m. tall,
erect herb up to 2 m. tall,
stem with solid pith,
mottled green without,
purplish at nodes,
heads lavender

tree 15 m. tall, symmetrical,
cones pendent, leaves
with a glaucous
band beneath on
either side of the midrib.

tree 6 m. tall, bark
finely checkered, leaves
glaucous beneath,
reticulate veined.

leaves glaucous,
rhizome orange,
fleshy.

small thorny tree,
fruit orange-red, fleshy,
sour.

Aug. 20 - road up left fork
Ivy Creek, below Limmosas
gap, 1/2 mile west of Sullivan
P.O.,

roadside on steep slope

23903

04. *Cassia virgitiensis*

common

05 *Digitaria*06 *Digitaria*17 *Digitaria*08 *Digitaria*09. *Cleusine indica* (L.) Gaertn.10 *Ledum*~~Culpeper~~

Aug. 20, - Culpeper, Culpeper Co.
11 *Polygonum pensylvanicum*
very abundant in abandoned
garden

Aug. 27 - Holmes Run at Lee Blvd.,
2 1/2 mi. s. of w. of Falls Church, Fairfax Co.
90 m. alt.

low wet clearing with pools
of water and densely overgrown
with tall weeds.

12 *Echinochloa*
in wet recently disturbed sandy soil

24150

Osmunda cinnamomea

(L.) L.

24153

Osmunda cinnamomea

(L.) L.

24156

Osmunda cinnamomea

(L.) L.

24154

Osmunda cinnamomea

(L.) L.

- tufts
lowtall,
nts.
each
from a
lant.

spreading to erect tufts
mass coll., each panicle from a
different tuft.

140

1945 - Virginia

Aug. 20 - road not built back

Ivy
gap
P.O.oss
illian23903 nos
04. Cas05. Dis
06. Dis
17. Dis
08. Dis
09. Clet
10. Pcs

pe

tall
Aru
11. Poly
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sp. G.
um
ndoneAug. 2
211+low wet clearing with pools
of water and densely overgrown
with tall weeds.12 Echinochloa
in wet recently disturbed sandy soilBlod.
Fairfax
go mult.Shen. Nat. Park
Fairfax Co. Fairfax Co. 141spreading
~~prostrate~~ tufts
flowers yellow- erect
- spreading
- erect
- spreading
- spreadingherb 1 - 1.5 m. tall,
flowers pink.
mass coll. each
inflorescence from a
different plant.spreading to erect tufts
mass coll., each panicle from a
different tuft.

Aug. 20 - road up left fork
Ivy Creek, below Limmoses
gap, 1/2 mile west of Sullivan
P.O.,

roadsides on steep slope

23903

- 04. *Cassia stricta*
common
- 05 *Digitaria*
- 06 *Digitaria*
- 17 *Digitaria*
- 08 *Digitaria*
- 09. *Eleusine indica* (L.) Gaertn.
- 10 *Pedum*

~~Culpeper~~

Aug. 20, - Culpeper, Culpeper Co.
11 *Polygonum pensylvanicum*
very abundant in abandoned
garden

Aug. 27 - Holmes Run at Lee Blvd.
2 1/2 mi. s. of Falls Church, Fairfax
Co. Va.
low wet clearing with pools
of water and densely overgrown
with tall weeds.

- 12 *Echinochloa*
in wet recently disturbed sandy soil

spreading
~~perenniate~~ tufts
flowers yellow
- erect
- spreading
- erect
- spreading
- spreading

herb 1 - 1.5 m. tall,
flowers pink.
mass coll. each
inflorescence from a
different plant.

spreading to erect tufts
mass coll., each panicle from a
different tuft.

23913 *Echinochloa*
somewhat drier ground about
3-5 dm. higher than #23912

14 *Polygonum pensylvanicum*
wet, recently disturbed sandy soil

15 wet recently disturbed sandy soil

16 *Cephalanthus occidentalis* L.

17 *Cephalanthus occidentalis* L.

18 *Cephalanthus occidentalis* L.

19 *Galium trifidum* var. *trifidum*
~~35~~

20 *Scirpus atrocivens*

21

22 *Lesqia oppoides*
abundant, forming tangled masses

23 *Lobelia cardinalis*
rare

24 occasional

25 occasional

26 *Cuscuta*
common on Aster and various
other plants

erect tufts, mass coll.
each panicle taken from
a different tuft.

erect plants, flowers
pale pink, mass coll. of
inflorescences each taken
from a different plant

erect clumps, panicles
nodding.

shrub 3 m. tall, all
dups from same plant.

shrub 2 m. tall (all from same plant)

same

erect but supported by
weeds, flowers white

erect, single culm (fruiting
infl. from different individuals)
large clump, culms
ascending, panicles
stiff, purple.

diffuse, tangled,
cutting the skin, spicules
pale green.

erect, corolla scarlet

erect, flowers white

erect, flowers white

threadlike, golden, inflorescences
thicker, green, flowers white

Aug. 27 - same

low muddy woods with
streams and wet places,
rather open but shaded

23927

abundant

22 *Ludwigia palustris*
in open muddy places29 *Lycopodium*
along stream bank30 *Galium*
along stream bank, rare31 *Athyrium*
in deep brush32 *Clypeola*
in brushy undergrowth

33 near stream

34 *Rudbeckia*
occasional35 *lobelia splendens* L.
rare36 *Lactuca*
occasional37 *Hieracium*
occasional38 *Aralia spinosa*
edge of woods, common
locallyinf. of many species in false
whorls, specimen from each
false whorl, upper leaf, lower leaf,
old wood.erect, culms solitary
or several together,
prostrate, bluish green
stolons under surface of
ground, flowers white.
possibly decumbentculms solitary or small
tufts of 3-4.
erect herb 1.5 m. tall.herb 1.5 m. tall, rays
greenish yellow, disk green
corolla scarlet.erect, capitiferous, flowers
violet.
erect, flowers yellowsingle stemmed shrub
2 m. tall (others taller
& branched), old wood
very spiny this year
growth with few spines.
leaves changing upward,
leaves becoming larger.Aug.
28
1945

✓ Sept. 2 - bank of Potomac River
just below Gravelly Point
Airport, Alexandria
thickets along river 7 m.
23939 *Diogyos angulatus* L.

40 *Polymnia undulata* L.

✓ Sept. 2 - West Grove, 3 mi. s. of
Alexandria, flats along
Potomac River, Fairfax Co.
along path in low wet woods 1 m.

41

✓ Sept. 2 - Accotink, 10 mi. s. w.
of Alexandria, Fairfax Co. 5 m.
roadside

✓ 42 *Triodia flava*
common with the ordinary purple
form (#23943) for about 1 mile
along ~~the~~ ^{the} highway

✓ 43 *Triodia flava*
common, growing with
green form (#23942)

herbaceous vine tangled
in bushes and trees,
flowers white, fruits green,
fleshy, with stiff white hair

culms spreading, not
especially tufted. Spikelets
conspicuously spirally
disposed.

erect clump, panicle
diffuse ~~erect~~ drooping,
dull light green.

erect clump, panicle
diffuse, ~~erect~~ drooping
dull dull purple

Sept. 2 - woods w. of Gunston,

Fairfax Co.

mixed deciduous woods 5-10 m.
in flat ground

23,944 *Panicum*

- 45 *Lobelia puberula* Michx
roadsides

1 46 *Lycopodium obscurum*
common in drift under trees

2 47 ~~Rhexia~~ *Rhexia*
roadsides, shaded

3 48 *Fagus grandifolia*
common in woods

Sept. 2 - Gunston

Fairfax Co.

open ground

5-10 m.

49 *Perilla frutescens* var. *curvifolia*
gregaria

50 Sept. 2, e. of Gunston, low
bench above Potowm. R. Fairfax Co.
soil flat river terrace, partly
wooded

51 *Cragrostis spectabilis*
clony in roadbed

erect, flowers violet.

erect

flowers rose-color

tree 20 m. tall, trunk
5 dm. thick, gray, branches
drooping. Masses of
of twigs from many
trees, one from each tree,
& shows variation
in pubescence. (fruits
twigs all from 20 m. tall tree)

erect, not yet in bloom,
somewhat unpleasingly
aromatic. Spike
4-sided, bracts imbricate.

tufts, culms spreading,
plant stiff

150

1945 - Virginia

23951 *Fagus grandifolia* var. *caroliniana*
edge of bluff over river,
51 ~~He~~ 52 *Hedemora pulchrioides*
53 *Celtis occidentalis*
several small trees
in edge of bluff.
near Potomac River at
Sept. 2 - Little Hunting Creek
S. of Mount Vernon,
~~Potomac River~~, 7 miles
S. of Alexandria, Fairfax Co.
wooded peninsula surround-
ed by estuarine marsh.
54 *Cucurbita foetidissima* HBK
grassy clearing, probably
introduced as other
introduced plants, such
as *Citellus*, *Cornu*, etc.
nearly. several plants
seen.
55 *Mitchella repens* L.
open woods, slightly
higher ground than
surrounding country
56 *Galium triflorum*
open woods
57 *Polygonia clevelandia* L.
~~side~~ woods, small colony

Fairfax Co.

151

tree 8 m. tall, stem thick,
branches drooping,
leaves firm
plant with strong
pennyroyal odor, flowers
at ~~at~~ violet
small tree 4 m. tall,
trunks 8 cm. thick,
gray, fruit dull copper-
color, sweetish, but
not much pulp.

prostrate vine, herbage
ill-scented, rough.
fruit very young, somewhat
longer than thick, 3 celled,
striped light green n.
dark green - plants
almost sterile.

prostrate, fruit scarlet.
(fruit terminal, or palely
axillary)

plant prostrate to
slightly ascending.
rays yellow

23958 *Botrychium*
small colony on friable
silt bench ~~so~~ ~~just above~~
at edge of river estuary,
being undercut and
crumbling, bushy woods

✓ 57 *Hunting Creek*, ^{estuary} just
south of Alexandria, Fairfax Co.
tidal marsh

59 *Physocarpus opulifolius*

(60) *Acnida cannabina* ♀

(61) " " ♂
abundant in marsh

62 *Echinochloa walteri*
occasional

63 *Echinochloa walteri*
occasional

64

65 *Cuscuta*
parasitic on *Polygonum*,
Impatiens & other plants.

66 *Gaura*
higher ground, roadsides
only one seen.

~~the~~ fertile pond crest.
Roots fleshy

bush 2.5 m. tall, many
stemmed, branched.
erect herbs up to 2 m. tall,
apparently strictly dioce-
ious, stems hollowed
out by insect larva,
filled with water.

~~the~~ tall, weak-stemmed.
spikelets green (with ^{#23960})
same but ~~spikelets~~ glume
dark purple and green,
(not always same amount
of purple, awns all green)
tall, infls. at most
nodes, spikelets purple,
stem filiform, yellow,
infls. thicker, greenish;
fls. white.

~~the~~ diffusely branched,
flowers ~~not~~ pinkish.

✓ Sept. 3 - Sleepy Hollow, the 1 mi
s. of Fall Church, Fairfax Co.
moist ground in yard

23967

68 *Solanum nigrum* L.69 *Polygonum hydropiperoides*70 *Bidens bipinnata* L.with
107

✓ Sept. 8 - same

71 *Polygala verticillata*
brushy old field, low ground

✓ Sept. 8 - along Turkeycock
Run, $\frac{1}{3}$ mi. n. of Fairland,
6 mi. w. of Alexandria,
Fairfax Co. 10-30 m

in and around boggy places

72 *Lechea*

flat sterile open ground

73 *Hypericum gentianoides*

flat sterile open ground

74 *Bulbostylis capillaris* (L.) C.

flat sterile open ground

75 *Lespedeza repens* (L.) Benth.

fls. on old abandoned gravel pit

76 *Rubus*

thickets on floor of old gravel pit

77 *Eupatorium*

fls. on old gravel pit

78 *Lycopodium obscurum*woods on small slope,
small colony.

fls. white, fruits green
more or less erect,
spikes rose-pink, pendent,
rays yellow

flowers purplish

~~Magnolia bog (see ~~part of W. W. W.~~)~~

basal rosette prostrate
scape erect.
erect, ~~very~~ red.

small tufts

prostrate, flower
pinkish purple with
banner deep purple.
canes erect, leaves
whitish beneath.
erect, flowers grayish-
white.

23977 *Verbascum thapsus* L.
open sterile ground

1 80 *Viburnum*
gravelly sphagnum bog, open woods

1 81 *Ludwigia palustris*
open streamlet in sphagnum bog

1 82 *Dotyachium dissectum*
wooded bottom-land near stream
only one plant seen (with #23983)

1 83 *Bothyachium dissectum* f. *obliquum*
wooded bottom land near stream,
(with #23982)

1 84 *Phlox maculata*
rare in wet gravelly rivulet

1 85 *Dryopteris noveboracensis*
large colony on wooded
bottom-land near stream

1 86 *Cyperus*
in mud of marsh in bottom
of old gravel pit

1 87 *Magnolia virginiana*
abundant in swampy bottom-land

1 88 *Uniola lata*
wooded bottom-land

1 89 *Lycopus*
muddy spot in swampy
bottom ~~old~~ old gravel pit.

1 90 *Cyperus strigosus* L.
muddy place in old gravel pit

1 91 *Rynchospora*
muddy place in old gravel pit

1 92 *Lycopodium*
muddy place in old gravel pit

erect, flower yellow
fruit greenish-white. shrub
1 m. tall.

prostrate, berries
bronze.

all sterile

all plants seen sterile

rhizome prostrate,
shallowly buried.

small colony

tree 1 m. tall, leaves
white beneath

spreading, prostrate
clump, spikelets
arranged spirally.

leaves purple beneath,
flowers white.

solitary culms,
spikelets green

more or less caespitose,
weak (note 2 sets of flower heads)

prostrate stems with lvs.

patent, more or less distichous erect
stems with lvs. appressed, not distichous.

158

1945 - Virginia

27993 *Diodia teres* Walt.4 abundant on open sterile
flat grounddept. 9 - Potowmack River at
west of Mount Vernon, 1 km.
E. of Alexandria, Fairfax Co.
dry, sterile gravelly soil
with rubbish dumped
here and there.

2 94

~~Stephanomeria~~
occasional

4 95

Diodia teres Walt.
common in patches

4 96

Lespedeza
occasional

2 97

Rosa
edge of thicket

4 98

Lymphoricarpos orbiculatus Moench
common at in openings
and edges of thickets

1 99

Solanum lycopersicum L.
several plants in old rubbish pile.

24000

Lespedeza
abundant in roadside patches

3 01

Citrullus vulgaris
several plants on old
rubbish heap

Fairfax Co.

159

erect, fls. pink-lavender

prostrate lower
branches forming long
radiating vines
flowers dull pale salmon
color with keel spirally
curved, pods terete
fls. lavender-pinkflowers deep maroon-purple
mound-shaped bush
of arching canes, 2-3 ft.
fruits orange in
erect clusters
shrub 1 m. tall, fruits
immature
fruits red.flowers deep purple
distally
several prostrate branching
stems from central root. flowers
greenish yellow, somewhat immature
fruit, ellipsoid; from another plant.

Sept. 10 - Lee Blvd. 0.6 mi. s. of Falls Church, Fairfax Co.
roadside, edge of cultivated fields.

24002 *Polygonum pensylvanicum* L.
wet ground, edge of field,
abundant

03 *Bidens*
abundant, forming large patches of bright yellow

04 *Cuscuta*
abundantly parasitizing *Lespedeza* and incidentally other weeds on roadside

Sept. 15 - east approach to Swift Run Gap, just below Lydia,

roadside in disturbed soil 850 ft

05 *Lespedeza stipulacea*

plants from simple to much branched at base, flowers pink, occasionally quite pale. Mass coll. of an inflorescence from each of many separate individuals. rays bright chrome yellow, disk darker. Plants varying in size from small ones a few cm. tall with one or 2 heads to large ones a meter tall with many heads. stems orange-yellow, infl green, thicker, flowers white.

spreading to ascending, dense clump of separate plants.

Sept. 15 - 0.3 mi. s. of
Swift Run Gap, along Skyline
Drive

old field with thickets 2500'

24006 *Paronychia*
disturbed soil

✓ 07 *Euphorbia maculata*
disturbed soil

✓ 08 *Aster*
low thicket

✓ 09 *Agastache*
low thicket

✓ 10 *Polygonum*
~~Comphoroides~~
low thicket

✓ 11 *Solidago puberula* ^{var. pubescens}
weedy field

Sept. 15 - ravine below
Pinefield Leanto, headwaters
of Ivy Creek.

~~thinly wooded~~ 2400'
rocky slopes - quartzite
ghriffs and blocks.

✓ 12 *Polypodium vulgare* L.
small colony in broken
rock flat.

✓ 13 *Monotropa uniflora* L.
slope under tree

✓ 14 *Gaultheria procumbens* L.
very common on slopes

✓ 15 *Vaccinium*
steep bushy slope, apparently
burned a few years ago

rays lavender,
disk yellow, turning red.
herb up to 2 m. tall,
stems square, fls.

lavender
fls. greenish white
plant rather grayish
green, fls. yellow.

rhizomes matted in
crevices.

clumps, already dead.

rhizomes subterranean,
fruit scarlet with strong
wintergreen flavor.
plants 1 dm. tall

164

1945 - Virginia

24016 *Epigaea repens*
 ✓ small colonies seen on
 brushy slope, burned a
 few years ago.

✓ 17 *Corallorrhiza odontorhiza* Nutt.
 in deep dead leaves under
 overhanging boulder

✓ 18 *Smilax rotundifolia*
 near bottom of ravine

✓ 19 *Dioscorea quaternata* var. *glauca*
 steep bare slope in bottom
 of ravine

✓ 20 *Campanula flexuosa*
 steep bare slope at bottom
 of ravine

✓ 21 *Aster*
 steep bare slope at bottom of
 ravine

✓ 22 *Corallorrhiza odontorhiza* Nutt.
 steep bare slope at bottom
 of ravine

Blk. Nat. Park

165

prostrate, small patches

stems bronze, white where covered by leaves, fls.
 bronze, lip not lobed,
 whitish, somewhat
 spotted with purple,
 margins erose, ^{purple} involute
 blade with 3 longitudinal
 plications, these inconspicuous,
 rhizome fleshy, white,
 intricately branched,
 rhizome crooked, knotted,
 odorless, plant a
 branching liana, green,
 fruit green.
 leaves glaucous beneath.

fls. blue-violet

~~fls.~~ lavender

✓ rhizome white, fleshy,
 intricately branched, brittle,
 stem and flowers bronze, lip
 white with purple spots & margin,
 orbicular, margins erose, involute,
 3 conspicuous longitudinal plications in center.

24023 *Rudbeckia laciniata*
small open flat gravelly stream-bed
in bottom of ravine

24 *Carex*
small opening in flat gravelly stream-bed
in bottom of ravine

25 *Polygonum*
same small colony

26 *Bidens frondosa*
same one plant only seen

27 *Erechtites valerianifolia*
same 4 plants seen

28 *Menispermum pilosum*
slope

29 *Prenanthes altissima* L.
rare on slope

Sept. 16 - ~~Same~~ Firefield Woods,

24024

30 *Spiranthes cernua*
grassy trailside on brushy
slope

31 *Botrychium dissectum* f. ~~oblongum~~
grassy trailside on brushy
slope.

32 *Hamamelis virginiana*
edge of cedarling

33 *Tiarella flava* (L.)
edge of clearing

34 *Triosteum aurantiacum*
clearing

erect herb 2-3 m. tall,
rays yellow, disk green.
clumps, culms weak,
spikes pendent.
fls. greenish
erect,
fls. cream-white.
bush 1 m. tall, leaves
slightly glaucous
beneath,
fls. pendent, greenish
white.

odorless, cream-white,
fls. 3-ranked, lip ovate,
recurved, margin
crispate,

bush 1.5 m. tall, sparingly
in flower, petals yellow.
caespitose, culms erect,
panicles with cernuous
branches, purple.
caespitose herb, m. tall,
fruit orange

Sept. 16 - Brown Mt. Parking Overlook,

roadside cleared in brushy wood

24035 *Crataegus*

36 *Coreopsis verticillata*

37 *Phytolacca americana*

38 Sept. 16 - Ridge below Brown Mt. Overlook

ridge with low, brushy woods and patches of scrub oak, steep slopes with soil mixed with broken quartzite

24038 *Polygonatum biflorum*

rounded ridge top, sparse woods

39 *Angelica*

same

40 *Pipis arbutifolia*, var. *atropurpurea* (Britt.) Rob.

same, occasional

41 *Desmodium nudiflorum*

same, small colony

42

same, rare

43 *Solidago caesia* L.

same, occasional

44 *Chamaaphila maculata*

same, rare, at base of trees

45 *Xerophyllum asphodeloides*

ridgeline, rocky slope

bushy, excessively thorny tree 4 m. tall, fruits greenish caespitose, underground short bright greenish yellow, fls. bright yellow, spreading to erect, succulent herb up to 1 m. tall, fls. white, fruit immature

rhizome white fleshy, fruit blue, fleshy fruit with oily odor when broken

bulb 1 m. tall, fruits sweet, but very astringent, purplish-black, scapes erect or arching, leaves somewhat glaucous beneath, fruits readily disarticulating, fruit with oily medicinal odor when broken

stem somewhat glaucous, leaves yellow,

leaves dark green with white along veins,

fruit green sterile

170

1945 Virginia

240 46 *Rosa*
slope in sparse woods

5 47 *Aster*
same

3 48 *Pseudotaindia montana* Mack.
same

2 49 *Asclepias quadrifolia*
sun, rocky place

1 50 *Zizia aptera*
same

4 51 *Hedysotis*
same, mossy bank

2 52 *Solidago*
same

1 53 *Solidago*
same

2 54 *Solidago arguta*
same

2 55 *Galium latifolium* Michx.
same

3 56 *Corallorrhiza odontorhiza*
same, in deep dead leaves, many
plants not emerging above the leaves
small colony with many individuals

Shen. Nat. Park

171

shrub 0.8 m. tall, fruit red.

rays straw white, involucral bracts
somewhat appearing fleshy

fruit with sharp oily odor when broken

leaves slightly glaucous beneath

fruit erect

fruit with sharp oily odor when broken

small tufts, and single plants

heads yellow

heads yellow

heads yellow

tufts, roots yellow

base of stem enlarged, brittle
rhizome white, branched, brittle
plants buried in leaves much distorted & by
those emerged, erect, bronzed. Petals
deep bronze, lip oval, not lobed, white
somewhat spotted with purple, palate
with two divergent callousities, blade
with 3 faint plications, margin erose
crenulate involute.

Sept. 16, Saddle between Brown Mt.
and Brown Mt. Overlook

Open wooded ridge with rounded top (250 ft)

24057 *Crataegus*
small colony of three or four
individuals on ridge top

58 *Silene stellata*
Coespitose - occasional

59 *Chenopodium boscii*
restricted
small colony with numerous
individuals on ridge top.

Sept. 16, Northeast Ridge of ~~Rock Mt.~~
quartzite talus slopes, usually
with soil, thin woods and patches
of scrub oak

24060 *Monotropa uniflora*
bare earth below trail

61 *Dryopteris disjuncta* (Rupr.) Morton
broken rock, restricted colony
with numerous individuals

62 *Angelica*
brushy slope

63 *Andropogon scoparius*
common on ^{open} rock outcrop

64 *Vaccinium*
edge of brush on rock outcrop

65 *Vaccinium*
open rock outcrop

small tree, 3 m. tall, bark gray,
fruit red.

Coespitose herb with deep tap root,
petals white, deeply lacerate -
most plants dying up.

dense clumps, erect, whole plant white,
flowers odorless

stems bronzed, leaves slightly
glaucous beneath, fruits bronze,
only odor when broken

tall individuals not common -
fruit blue, sweet, strong but not
unpleasant flavor

2-3 dm. tall, mostly not fruiting.
fruit blue with unpleasant flavor

174 1945 - Virginia

24066 *Desmodium*
rare on open rock outcrop
67 *Quercus*
brushy slope

Sept. 16, Top of ~~Rocky Knob~~

broken quartzite ridge
24068 *Andropogon scoparius* 700' open ridge
69 *Aureolaria pedicularia*
open ridge, rocky trail
70 *Pinus rigida*
open ridge among enormous
rock fragments
71 *Pinus pungens*
same
72 *Pinus virginiana*
same

Sept 16, North slope of ~~Rocky Knob~~

quartzite talus, brushy woods

24073 *Menziesia pilosa*
74 *Hamamelis virginiana*
common
75 *Menziesia pilosa*
76 *Xerophyllum asphodeloides*
fully common
77 *Dierilla lonicera*
Plants growing in open patch of
broken rock

Shen. Nat. Park

175

Plant erect

Small scrub tree 5 m. tall

plants ascending, sweet-scented, fls.
yellow
scrubby tree 5 m. tall.

scrubby tree 5 m. tall

same

brush 1.5 m. tall, leaves slightly
glaucous beneath

brush 1 m. tall, fls. yellow - very
few bushes seen with flowers

brush 1.5 m. tall, leaves slightly
glaucous beneath
Desp. to old fruiting stalk erect

shrub up to 1 m. tall, mostly in fruit
(but a few yellow flowers on some stems)

Sept. 16, Broad flat bench on North slope of Bear Creek

sandy flat and gentle slopes with abundant *Yucca* *perriniana*, some other shrubs, scattered young pines, *Xerophyllum* very common.

24078 *Epigaea repens*
sandy slope, very small colony

- ✓ 79 *Solidago odora*
sandy slope, rare
- ✓ 80 *Xerophyllum asphodeloides*
very common
- ✓ 81 *Lycopodium complanatum*
small colony on flat under brush
- ✓ 82 *Melampyrum lineare* pectinatum
occasional on flat
- ✓ 83 *Gaultheria procumbens*
common

Sept. 16, Ridge running North from, near "Rock Castle"

Quartzite ridge, wooded but with open intervals

24084 *Aureolaria*
occasional in woods

✓ 85 *Viola*
bare, mossy sloping rock intervals

Sept. 17 - Pinfield, Leanto,

rocky stream-bed

✓ 86 *Chelone glabra*

prostrate, mat-like.

caespitose, ~~involucres~~ yellow

caespitose, old fruiting stalks erect
rhizomes deeply buried, plant sterile.

flowers yellowish-white

Rhizome buried, fruits pendent, red.

ascending, flowers yellow

One open flower seen, violet

caespitose, herb 1-2 m. tall, fls.
white with purple anthers

178

1945 - Virginia

24087 *Lactuca*
common in clearing
+ 88 *Chenopodium*
occasional in clearing
+ 89 *Lespedeza*
roadside

Sept. 17 - just east of
Washington, Rappahannock Co.
~~common~~ along pasture fence, bottom

+ 90 *Campsis radicans*
+ 91 *Diospyros virginiana*

Sept. 21 - near western tip of
Seashore State Park, Cape Henry,
Princess Anne Co. Va.
sand flat with scrub
oaks and other shrubby
trees

92 *Galium hispidulum* Michx.
under trees, common
+ 93 *Didemnum bipinniatum* L.
roadside, small colony
94 *Lespedeza stipulacea*
abundant along roadside

Sept. 21 - 1 1/2 mi. E.S.E. of western
tip of Seashore State Park, Cape
Henry, Princess Anne Co. Va. 0°
~~near~~ edge of swamp along
highway.

Seashore Nat. Park

179

some plants up to 3 m.
tall.
herb up to 1 m. tall,
larger ones branched.
prostrate, mat-forming.

200 m.

of small valley.

vine climbing on fence.
fls. brick red.
tree 8 m. tall, leaves glaucous
beneath, fruit not quite
mature.

plant erect,
roots and rhizome yellow,
fruit lead-black, fleshy.
fls. yellow

forming dense mat-like
growth.

180

1945 Virginia

24095 *Diodia teres* *virginiana* L.
4 low sandy roadside

96 *Scirpus microcarpus* Fern (*S. microcarpus*)
edge of water, sandy mud bottom

97 *Juncus canadensis* J. Gay det. 771.
edge of water, sandy mud bottom

98 *Cephalanthus occidentalis*
~~edge~~ in standing water

99 *Hypericum gentianoides*
sandy roadside, uncommon

24100 *Desmodium striata*
sandy roadside

Sept. 22 - near western tip
of ~~pebbles~~ Seashore State Park,
Cape Henry, Princess Anne Co.
coastal scrub on sand 0-4 m.
dunes and flats

01 *Paspalum*
grassy roadside, common

02 *Rudbeckia hirta*
grassy roadside, only one

03 *Diodia teres* Walt
dunes above beach, common

04 *Zostera marina* L.
shallow sandy bottom
(brought in by fishermen with
gill net)

Seashore State Park

Princess Anne Co.

181

prostrate, flowers of the
palest lavender, fruits
even in axils well buried
in sand.

dense clump, culms erect,
panicles pendent.

caespitose, culms spreading,
terete, weak.

shrub 3 m. tall, branches
with 2, 3, or 4 leaves at a node
on same plant, uppermost
bearing short flowering,
flowers white.

prostrate, ~~edge~~

spreading tufts

rays yellow, disk dark
brown

flowers lavender

sterile

182

1945 - Virginia

24105 *Solidago viridis*
roadsides

106 *Solidago sempervirens*
wet depressions

107 *Salix longipes* var. *wardii* (Bebb) Schneid.
wet depressions

108 *Solidago odora*
shaded sandy slopes, common

109 *Bulbostylis capillaris*
wet sandy depression, common

110 *Solidago viridis*
colonies in open sandy places

111 *Lonicera sempervirens*
occasional in edges of thickets

112 *Polygonella articulata*
small colony on sandy roadside

113 *Cassia nictitans* L. or *nictitans*
roadsides, hard sandy ground

114 *Gnaphalium obtusifolium* L.
~~polycephalum~~
roadsides, one seen.

115 *Aster*
common locally, roadsides and open places

116 *Polypodium procumbens* L.
~~epicarpium~~ occasional, open roadsides

117 *Quercus marilandica*
one seen

118 *Lespedeza cuneifolia*
one seen, roadside

locally

feastline State Park, Princess Anne Co.

183

tufts, culms spreading at base.

erect, leaves thick, flowers yellow.

shrub 1 m. tall, leaves glaucous beneath.

caespitose, heads and involucres golden yellow.

rhizomes buried, heads yellow, corymbose.

woody twiner, leaves glaucous beneath, flowers dull crimson without orange within, fruit scarlet (rarely flowering now)

erect, ^{lvs. + stem} gray-green, turning reddish, flowers pinkish-white.

prostrate from tap root, leaves sensitive, petals yellow, anthers pale purple.

erect. [Pods stiffly erect.

erect, branched, up to 1 m. tall, leaves green, rays white, disk yellow.

prostrate

shrub 2-3 m. tall, somewhat grayish green.

erect.

184

1945 - Virginia

24119 *Paspalum*
one clump seen, edge of thicket

20 *Solanum nigrum* L.
only one seen, ^{rare} roadside

21 *Triodis flava* (L.) Smyth.
occasional along roads

22 roadsides, common

23 *Digitaria*
occasional, with # 24124

24 *Digitaria*
common, with # 24123

25 ~~Gladiolus~~ *Eriogonum spectabile*
common in sandy open places

26 ~~Brassica~~ *Elettaria indica* (L.) Gaertn.
common in roadbed

27 *Pyrus angustifolia*
2 plants seen, edge of thicket

28 small colony in edge of thicket

29 *Cnidoscolus stimulosus*
occasional on landward
side of sand dunes

30 *Carex kobomugi* Ohwi
abundant on sand slopes

31 *Helianthemum canadense*
rare on sandy slope in open

Sept. 23 - same

32 *Oenothera humifusa*
brushy dunes

Seashore State Park, Princess Anne Co.

185

erect clump, older
culms over 1 m. tall.
fruits green, turning
black, fls. white
erect, in small tufts,
panicle drooping, purple
culms ascending, to spike,
purple,
erect, hairy

erect, almost smooth.

panicle purple

spreading tufts

small shrubs 1.5 m. tall,
sterile.

rays yellow, plant 1 m.
tall

prostrate, several
stems from deep root;
stinging hairs

extensively ramifying
below surface of sand,
leaves and spikes
emerging

flowers lemon yellow,
leaves gray, entire & almost
so.

186

1945 - Virginia

24133 *Oenothera humifusa*
brushy sand dunes

34 *Cyperus filicinus* ^{det. 7/14}
common in open sand

35 *Solidago*
only one seen.

36 *Diodia virginiana* L.
not common in sand

37 *Eupatorium serotinum* Michx. ^{det. 7/14}
under brush of thicket

38 *Foeniculum vulgare* L.
roadside, not common.

39 *Eragrostis pectinacea*
colony near parking area

40 *Cyperus rotundus* var. *cylindricus* ^{7/14}
low wet sandy place, common

41 *Cyperus albomarginatus* Michx. Schrad.
uncommon, low wet sandy place

42 *Cyperus lancastriensis* Porter ^{det. 7/14}
~~uncommon~~ in low wet sandy place

43 *Cyperus iria* L. ^{det. 7/14}
common in low wet sandy place

44 *Ipomoea*
small colony ~~along~~ near
parking place

45 *Ipomoea*
small colony near parking place

46 *Citellus vulgaris*
one extensive plant near
picnic place

same - mixed woods, mainly
oak - hickory, on sand slopes

Zone 2
2 1/2 2 1/2 2 1/2
4 2 2 2 2 2 2 2
4 2 2 2 2 2 2 2
4 2 2 2 2 2 2 2

Cape Henry State Park Princess Anne

187

flowers yellow, petals
obcordate, leaves gray,
toothed.

sub spreading tufts
erect, fls. yellow

prostrate, fruit white
and green striped.
decumbent herb, 1 m.
or more long, fls. white.
herb 1.5 m. tall, lightly
aromatic, flowers yellow.
spreading tufts

culms spreading to erect

(*C. sabulosa* M. & S.)

culms spreading

f. apparently annual,
twining on weeds, flowers
blue,

apparently annual, twining
on weeds, flowers white, and
prostrate, flowers
lemon yellow.

188

1945 - Virginia

24147 *Paspalum*
steep sand slope, common

48 *Hieracium gnomosum* L.
steep sand slope, occasional

49 *Cyperus plukenetii* Fern.
steep sand slope, occasional

50 *Solidago nemoralis* L. ^{det}
steep sand slope, rare

51 *Gnaphalium obtusifolium* L.
steep sand slope, occasional

52 *Solidago altissima*
steep sand slope, occasional

same - open forest of
Pinus taeda, along road.

53 *Desmodium paniculatum* (L.) DC. ^{det}
^{det}

54 *Desmodium ciliare* (Muhl.) DC. ^{det}
^{det}

55 *Desmodium glabellum* (Mx.) DC. ^{det}
^{det}

56 *Desmodium strictum* (Pursh) DC. ^{det}
^{det}

57 *Cassia nictitans* var. *hebecarpa* Fern.
abundant locally

58 *Cassia nictitans* var. *hebecarpa* Fern.
occasional (not far from # 24158)

59 *Paspalum*
occasional

60 *Cassia nictitans* var. *nictitans*
common (wetter place than
same, wet ~~steep~~ depressions
along railroad right-of-way.)

61 *Juncus* ~~acutifolius~~ ^{det}
common

62 *Cyperus polystachyos* Rottb.
common locally in drying pool

27

Finally doesn't mention
silver stems and valves

originals were removed
and destroyed.

yellow, mostly
in bloom yet.
pilose, stems
cading to erect.
; diffuse
to almost prostrate
vs spreading
ct, diffusely
n'king, fls. yellow.

caespitose, terete.
spreading tufts.

spreading tufts.

Cape Henry State Park, Princess Anne Co. 189

189

188

1945 - Virginia

24147 *Paspalum*
" steep sand slope, common

48 *Hieracium gnomii* L. ^{7/17}
steep sand slope, occasional

49 *Cyperus plukenetii* Fern. <sup>det
7/10</sup>
steep sand slope, occasional

50 *Solidago nemoralis* Benth. <sup>det
7/10</sup>
steep sand slope

51 *Gnaphalium obt*
steep sand s

52 *Solidago altissima*
steep sand s

same - open fr
Pinus taeda, etc

53 *Desmodium paniculatum*

54 *Desmodium ciliatum*

55 *Desmodium glabre*

56 *Desmodium strictum*

57 *Cassia nictitans*
abundant loca

58 *Cassia nictitans*
occasional (not fr)

59 *Paspalum*
occasional

60 *Cassia nictitans*
common (wetter) place man

same, wet ~~dry~~ depressions
along railroad right-of-way

61 *Juncus* ~~virginicus~~ ^{7/17}
common

62 *Cyperus polystachyos* (L.) B.
common locally in drying pool

Cape Henry State Park, Princess Anne Co.

189

erect clumps
flowers yellow

fls. yellow

fls. yellow, mostly
not in bloom yet.

caespitose, stems
spreading to erect.

same

same

same

erect, diffuse

erect to almost prostrate
culms spreading

erect, diffusely
branching, fls. yellow.

caespitose, terete.
spreading tufts.

24157-8

188

1945 - Virginia

24147 " *Paspalum*
steep sand slope, common

48 *Hieracium gnomii* L. ^{det.}
steep sand slope, occasional

49 *Cyperus plukenetii* Fern. ^{det.}
steep sand slope, occasional

50 *Solidago nemoralis* var. ~~hirsutissima~~
steep sand slope, rare

51 *Gnaphalium obtusifolium* L.
steep sand slope, occasional

52 *Solidago altissima*
steep sand slope, occasional

same - open forest of
Pinus taeda, along road.

53 *Desmodium paniculatum* (L.) DC. ^{det.}
caespitose, stems spreading to erect.

54 *Desmodium ciliare* (Muhl.) DC. ^{det.}
same

55 *Desmodium glabellum* (Mx.) DC. ^{det.}
same

56 *Desmodium strictum* (Pursh) DC. ^{det.}
same

57 *Cassia nictitans* var. *hebecarpa* Fern.
abundant locally

58 *Cassia nictitans* var. *hebecarpa* Fern.
occasional (not far from # 24158)

59 *Paspalum*
occasional

60 *Cassia nictitans* var. *nictitans*
common (wetter place than
same, wet ~~stony~~ depressions
along railroad right-of-way.)

61 *Juncus* ~~acuminatus~~ T. Gray
common

62 *Cyperus polystachyos* Rottb.
common locally in drying pool

Cape Henry State Park, Princess Anne Co.

189

erect clumps
flowers yellow
fls. yellow

fls. yellow mostly
not in bloom yet.

caespitose, stems
spreading to erect
same
same
same
erect, diffuse
erect to almost prostrate
culms spreading
erect, diffusely
branching, fls. yellow.

caespitose, terete
spreading tufts.

1945 - Virginia

190

24163 *Fimbrina squarrosa*
occasional in drying pool

~ 64 *Rotala ramosissima*
occasional in drying pool

65 clump in drying pool

66 *Panicum*
common in drying pool

67 *Polygonum*
in pool of water

~ 68 *Pisidia virginiana* L.
in pool of water

same - low wet place

69 *Ascyragm hyperboreoides* L.
rare

R. m.

70 *Panicum*
common

71 *Panicum*
uncommon

72 common locally

73 *Lespedeza procumbens*
along road, occasional

R. m.

same - low oak woods
on sand dunes

74 *Lesqiastrum nutans*
along road

75 *Gnaphalium obtusifolium*
rare

76 *Galium pilosum*
one plant seen

Cape Henry St. Lk. Princess Anne Co.

191

spreading small tufts,
heads green,
plant tinged with red

spreading.

fls. white.

fls. white, lobes ^{sparsely} pilose

low bush

spreading tufts

spreading tufts.

culms ascending

culms erect, panicles
pendent.

192

1945 - Virginia

24177 *Hieracium gnomonii* L.
rare, one plant seen

same; *Pinus taeda*
woods, along road
8 *Lespedeza cuneifolia*
small colony

79 *Strophostyles helvolqa*
small colony seen

Sept. 24 - same, low oak woods
on sand dunes

80 *Diodia teres* Walt.
sandy openings

81 *Polygonum dumetorum*
twining on brush

82 *Galium hispidulum* Michx.
steep sandy slopes

Sept. 24 - about a mile west of
east end of cut-off highway,
Seashore State Park, Cape Henry,
Taxodium - Nyssa swamp
with black water and
sandy flats adjoining it.

83 *Andropogon*
very abundant along
roadside, (with # 24184)

84 *Andropogon*
occasional along roadside
(with # 24183), even in edge of wet
Solidago (Tuscarawas)

85 *Andropogon*
small colony along roadside

707

Cape Henry State Park Princess Anne Co.

193

flower yellow.

fl. white with purplish
keel, plants erect,
fragrant

fls. pink, keel
purple, twisted.

wiry, fls. lavender

erect clumps, stems
glaucous (not intergrading
with # 24184, not so tall)

erect clumps, stems green,
(not intergrading with # 24183,
taller, tops nodding)

erect, heads yellow

20126 *Nyssa sylvatica* var. *biflora* (Wilt.) Bong.
one of dominant trees in
swamp, growing in water

87 *Panicum*

abundant on small sand
bank along road

88 *Ludwigia alternifolia*.
edge of water

89 *Smilax rotundifolia*
edge of water

90 *Mitchella repens* L.
sand flats and to edge
of water

91 *Lyonia ligustrina*
in water

92 *Parapalum*
near edge of water, common

93 *Utricularia*
in water, submerged

94 *Lyonia ligustrina*
just above edge of water

95 *Berchemia scandens*
thicket at edge of water

96 *Solidago fistulosa*
in edge of water

97 growing in water

98 *Fagus*
sand near edge of water

tree 15 m. tall, stem thick,
swollen at base, (other
much larger). these
specimens taken from
basal shoots. fruit
- black, fleshy.

culms erect to ascending
from basal tuft of leaves

erect, suffrutescent
- 1.5 m. tall, stem ^{spongy at base} climbing
woody vine climbing
many feet into trees.
fruit not quite ripe
on upper branches.

prostrate, mat forming,
fruit scarlet.

bush 2 m. tall

tufts, culms spreading
stems up to 1 m. long,
sparsely branched
shrub 1.5 m. tall

woody vine tangled in thicket
stems.

erect, fls yellow.

mostly sterile.

tree 10 m. tall, bark
gray even to twigs.

196

1945 - Virginia

24199

Lycopus

edge of water, common

24200

Bidens discoides (7-9) Britton
edge of water, commonSept. 24 - cut off highway
about middle, Seashore
State Park, Cape Henry,
roadsides in cypress swamp01 *Polygonum pensylvanicum*
occasional02 *Erechtites hieracifolia*
commonSept. 25 - western edge of
Seashore State Park, Cape Henry,
Princess Anne Co.

sand flats

det.

79.H.

03 *Carex longii*

pine forest, rare

04 *Galactea regularis*

pine forest, common everywhere

05 *Gelsemium sempervirens*

pine forest, common

06 *Chrysopsis graminifolia*

pine forest, common

07 *Opuntia*common
brushy coastal sand dunes

Sept. 25 - Norfolk, Norfolk Co.

08 *Atriplex*
weedy places on waterfront

Cape Henry State Park.

Princess Anne Co. 197

long stolons, some bearing
fusiform enlargements, fls. white
erect, brittle, fls. yellowerect, flowers pink
fls. yellowish

prostrate, dull green

fruits on short arching
branches, sterile branches
prostrate, up to several
m. long, straight.
fruit compressed.

flowers bright yellow

common prostrate from
tuberous root, joints
lying flat, fruits turning
red.dull green, recumbent
much branched herb 1-1.5 m. long.

198

1945 - Virginia

4. ✓ Sept. 29 - Sleepy Hollow 1 mi.
s. of Falls Church, Fairfax Co.
wooded bottom land 80 m.

24209 Callitrichie
damp ground in small garden
partly shaded.

✓ Oct. 14, same
10 Botrychium dissectum ssp.
weedy woods, occasional

11 Polygonum pensylvanicum
disturbed ground in pasture
and recent clearing nearby

12 Polygonum pensylvanicum
cultivated ground

13 Polygonum
cultivated ground

Oct 14 - Bank of slough just
across from Washington Island,
near end of Memorial Bridge,
Arlington, Va.

14 Liriodendron
narrow strip of woods, mostly acer.

climbing extensively on bushes

15 Acer negundo L.

16 Acer negundo L.

17 Acer saccharinum L. abundant

18 Polystyrum

Fairfax Co.

199

small tufts

(f. obliquum ~~was~~ is
found in same general area)
mass coll. from same colony
as Fassett mass coll. made
in August. The more leafy
plants are from more sheltered
places. Some variation in flower
color but not much, most
are quite crimson.

considerable mass coll. to
show variation in flower
color - considerable variation
from crimson to pale pink
but most plants crimson.
flowers deep crimson

herbaceous vine

Tree 12 m. tall, 2 dm. thick, stems green
seedlings 2 m. tall, stems green
tree 10 m. tall, 5 dm. thick, leaves white beneath
twining on bushes

19 200

1945 - Virginia

Oct. 18. Sleepy Hollow, 1 mi. s. of Falls Church.

4. 24219

Berberis thunbergii

shaded in wooded bottom-land

2. 20

*Acer rubrum L.*second growth wood on bottom-land
in and around edges of woods

24:

3

3

Oct. 19 - Arlington (Lyon Park),
Arlington Co. Va.

weed in garden, somewhat shaded

11 *Polygonum scandens L.*

Oct. 21 just n.w. of Woodville

Mass.

12 *Acer rubrum L.*mixed woods on top of low
rounded rocky hill

of 58 - 17 are red or reddish

41 are yellow with
red petioles

1, bush yellow with a few red lvs.)

Fairfax Co.

201

spindly bush 1 m. tall, fruit orange-red.

shrubs and small trees 1-5 m. tall

mass coll. of one leaf from each
of 109 plants, not selectedexcept for well developed autumn
coloring and undamaged outline.These sorted into those with no
red color (6), those with red ^{petiole} and yellow blade (65), those withreddish petiole and yellow blade
with one reddish patch (3) andthose with reddish petiole + blade (35).
Herbarium specimen still green.Shaded plants all have blades
yellow, those in sun either
yellow or reddish. Blades on3 trees, that were transplanted 4 years
ago from shade to sun were yellow.No extensive variation in a single plant
as far as color is concerned.herbaceous, twining vine, climbing
into small trees, fruiting calyx pale green.mostly bushes and young
trees, some larger, somewhat
shaded. Mass coll. to show
variation of autumn coloration -
one leaf from a plant, selected
only to show good coloration and
complete outline.

1945 - Massachusetts

7. 202

Oct. 21 3 mi. s. of Westboro

24223 *Acer rubrum* L. seedlings and
swampy edge of small bushes
meadow at lower mass. coll.
edge of patch of woods as in 24222

6 yellow
with red
petioles
32 red

24224 *Acer rubrum* L.
upper edge of same
woods as 24223 along
dry semi-shaded
roadside

small
brushes
and sprouts

7 yellow with
red petioles
15 yellow
tinged with
red
12 red or
orange.

